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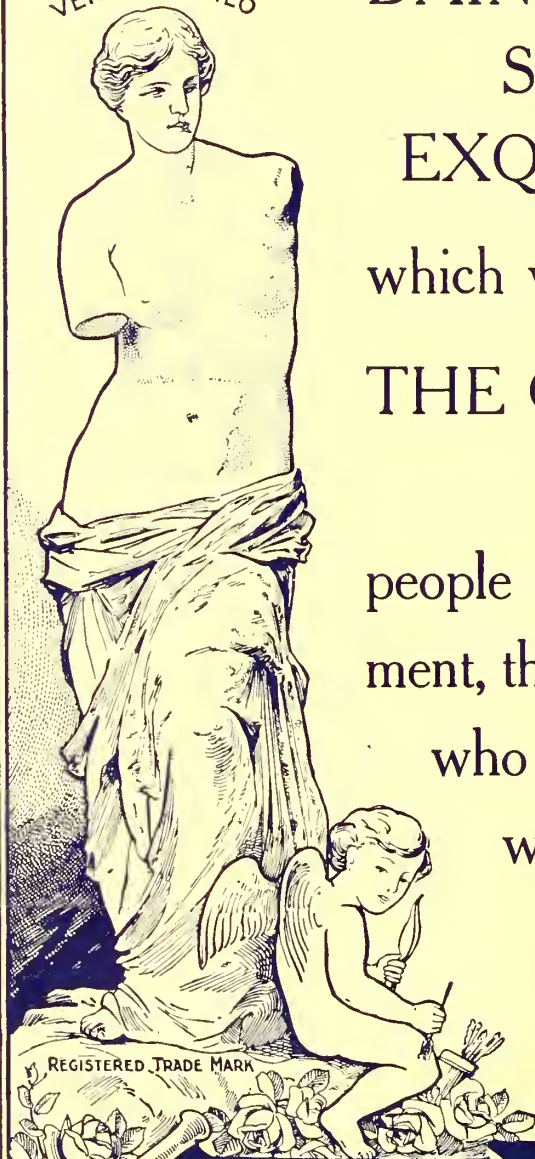
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Eburite Paper Co.

COUNTER ADJUNCTS

Evans Sons Lescher & Webb, Ltd.

COUNTER SPECIALITIES

Allen & Hanburys, Ltd.
British Drug Houses, Ltd.
Hewlett, C. J., & Son
Newbery, F., & Sons, Ltd.
Southall Bros. & Barclay, Ltd.
Woolleys, Ltd.

CREAM OF TARTAR

British Drug Houses, Ltd.

CREOSOTE

Baiss Bros. & Stevenson, Ltd.
Burt, Boulton & Haywood
Morson, T., & Son

CREPE BANDAGE

Gimber, W., & Son
Norwich Crêpe Co. (1856), Ltd.
Wood, Vincent

CYANIDES

May & Baker, Ltd.

DAIRY SPECIALITIES

Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.
Tomlinson & Hayward, Ltd.

DEMIJOHNS

Brefitt, E., & Co., Ltd.

DENTAL INSTRUMENTS

Hattrick, James L., & Co., Ltd.

DENTAL MECHANICS

Chalk, George, & Co.
Fentiman, A. G.
Fentiman, A. J., & Co.
Halder, E. C.
Last & White
Wardale & Co.

DENTIFRICES

Beecham, T.
Beiersdorf, P., & Co.
Bell, John, Hills & Lucas, Ltd.
Blackie, R.
Burroughs Wellcome & Co.
Calvert, F. C., & Co.
Christy, T., & Co.
Cook, E., & Co., Ltd.
Eueryl, Ltd.
Hall & Ruckel
Jewsbury & Brown
Lambert Pharmacal Co.
McKesson & Robbins
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Pierre, Dr.
Rowland, A., & Sons
Standard Tablet & Pill Co.
Woods, W., & Son
Woolley, J., Sons & Co., Ltd.

DEXTRINE

Fink, F., & Co.

DIABETIC BREAD AND FOOD

Callard & Co.

Van Abbott, G., & Sons

DIGESTIVE PRODUCTS

Armour & Co., Ltd.
Benger's Food, Ltd.
Fairchild Bros. & Foster
Parke, Davis & Co.
Squire & Sons
Zimmermann, C., & Co.

DISINFECTANTS

Baiss Bros. & Stevenson, Ltd.
Burt, Boulton & Haywood, Ltd.
Calvert, F. C., & Co.
Condy & Mitchell, Ltd.
Cook, E., & Co., Ltd.
Dalmas, A. de St., & Co.
Edwards, W., & Son
Jeyes' Sanitary Compounds, Ltd.
Kay Bros., Ltd.
Lambert Pharmacal Co.
Roberts, Cornford & Co.
Sanitas Co., Ltd.
Tomlinson & Hayward, Ltd.
Willows, Francis B. & F.
Wright, Layman & Umney, Ltd.
Zimmermann, C., & Co.

DOSE REGULATORS

Reuter, R. J.

DRUGGISTS' SUNDRIES

Ayrton, Saunders & Co., Ltd.
Barclay & Sons, Ltd.
Berliner, Arthur
Burge, Warren & Ridgley
Bush, H. W., & Co., Ltd.
Chemist's Co-operative Wholesale
Chemists' Sundries, Ltd.
Christy, T., & Co.
Cook, Alfred, & Co.
Davis, J. M., & Sons
Edwards, W., & Son
Evans Sons Lescher & Webb
Fecher, M. J.
Gutmann, A. E., & Co.
Hattrick, James L., & Co., Ltd.
Hay, J. B., & Co.
Hewlett, C. J., & Sons
Hovenden, R., & Sons, Ltd.
Lennon, Ltd.
Maw, S., Son & Sons
May, Roberts & Co.
Murdoch, John, & Co.
Newbery, F., & Sons, Ltd.
Poths, H., & Co.
Quelch, H. C., & Co.
Reuter, R. J.
Sangers
Schutze, F., & Co.
Shirley Bros., Ltd.
Solport Bros.
Southall Bros. & Barclay, Ltd.
Tidman & Son, Ltd.
Toogood, W., Ltd.
Viscose Co., Ltd.
Wattenbach, O.
Wood, Vincent
Woolley, J., Sons & Co.

DRUGS, CRUDE

Carmichael, F. J., & Co.
Horne & Sons
Potter & Clarke, Ltd.
Ransom, W., & Son
Salle, H., & Cie.

DRYSALTERIES

Harker, Stagg & Morgan, Ltd.

DYES

Judson, D., & Son
Whitaker & Co. (Hat)

EAU DE COLOGNE

Breidenbach & Co.
Farina, J. M.
Farina, J. M. (No. 4)
Fickus, Courtenay & Co.
McCracken, J. & R.
Schutze, F., & Co.

EDUCATIONAL INSTITUTIONS

Bath and West of England College of Pharmacy
Borough Polytechnic Institute
British Optical Institute
Burlington Correspondence College
Edinburgh Central School of Pharmacy
Glasgow School of Pharmacy
Goldsmiths' Technical College
Leeds College of Pharmacy
Liverpool School of Pharmacy
London College of Pharmacy
Manchester College of Pharmacy
Muter's (So. Lond.) School of Pharmacy
North of England School of Pharmacy
Northern College of Pharmacy
Nottingham School of Pharm.
Pharmaceutical Society's School of Pharmacy
Royal Dispensary (Edinburgh)
South of England College of Pharmacy
University of Birmingham
West Ham Technical Institute
Westminster College of Pharm.

EFFERVESCENT PREPS.

Allen & Hanburys, Ltd.
Bishop, Alfred, Ltd.
Blackie, R.
Bristol-Myers Co.
Cox, A. H., & Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Kutnow, S., & Co., Ltd.
Lloyd, T. Howard, & Co.
Lorimer & Co., Ltd.
Newball & Mason
Potter & Clarke
Standard Tablet & Pill Co.
Sturge, John & E.
Tyrer, T., & Co., Ltd.
Wright, Layman & Umney

ELASTIC HOSIERY

Ayrton, Saunders & Co., Ltd.
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Haywood, J. H.
Maw, S., Son & Sons
Wood, Vincent

EMERY AND CLOTH

Oakey, J., & Sons, Ltd.

EMULSIONS, COD - LIVER OIL, ETC.

Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd.
Faulding, F. H., & Co.
Harker, Stagg & Morgan, Ltd.
Lorimer & Co., Ltd.
Oldfield, Pattinson & Co.
Scott & Downe, Ltd.
Parke, Davis & Co.
Woolley, Jas., Sons & Co.
Woolleys, Ltd.

ENEMAS

Bailey, W. H., & Son
Burge, Warren & Ridgley
Daval Rubber Co.
Hatriek, James L., & Co., Ltd.
Hay, J. B., & Co.
Maw, S., Son & Sons
Toogood, W., Ltd.
Warne, W., & Co., Ltd.

ENTOMOLOGICAL**APPARATUS**

Watkins & Doncaster

EPSOM SALTS

Howards & Sons, Ltd.

ESSENCES, CONCRETE

Lautier Fils
Murray, O., & Co., Ltd.
Roure-Bertrand fils
Schmoller & Bompard

ESSENCES, SOL. AND FRUIT

Alliance Drug & Chem. Co.
Barnett & Foster
Boake (A.), Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Evans Sons Lescher & Webb
Hay, Wm., Ltd.
Lautier Fils
London Essence Co.
Lorimer & Co., Ltd.
Newball & Mason
Roure-Bertrand fils
Spencer, J., Son & Co.
Stevenson & Howell, Ltd.
Zimmermann, A. & M.

ETHERS

Baiss Bros. & Stevenson, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

EUCALYPTUS OIL

Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ltd.

EXTRACT OF HERBS

Newball & Mason
Potter & Clarke

EXTRACTS (MEDICINAL)

Allen, Stafford, & Sons, Ltd.
Chemist's Co-operative Wholesale
Hewlett, C. J., & Son
Parke, Davis & Co.
Ransom, W., & Son
(See also WHOLESALE DRUGGISTS)

FEEDING BOTTLES

Breft, E., & Co., Ltd.
Hovenden, R., & Sons, Ltd.
Kilner Bros., Ltd.
Maw, S., Son & Sons
Sangers
Southall Bros. & Barclay, Ltd.

FILTERS (WATER)

Berkfeld Filter Co., Ltd.

FLESH GLOVES

Sangers

FLYCATCHERS

Alabastine Co. (British), Ltd.
Deansmere Manfg. Co.
Flykatcho
Ford, Shapland & Co.
Frowein, C.
Kay Bros., Ltd.
Smith, J. H., & Co.
Strong, Christy
Tunbridge & Wright

FOODS, INFANTS'

Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Frame Food Co., Ltd.
Lofthouse & Saltmer
Natural Food Co., Ltd.
Willows, Francis, B. & T.

FOODS, SPECIAL

Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
Burt, C. J.
Buvo, Ltd.
Callard & Co.
Fairchild Bros. & Foster
Frame Food Co., Ltd.
Menley & James, Ltd.
Natural Food Co., Ltd.
Wander, A.

FORMALDEHYDE

Burt, Boulton & Haywood

FRUIT CRYSTALS

Aerators, Ltd.

FRUIT SYRUPS

Idris & Co., Ltd.

FULLER'S EARTH

Mumford, G. S., & Sons

FUMIGATORS

Sanitas Co., Ltd.

GELATIN AND GLUE

Boehm, F., Ltd.

GLASSWARE, CHEMICAL

Zahradnik, Jos.

GLAUBER'S SALT

Bramwell, E., & Son
Howards & Sons, Ltd.

GLYCERIN

Boehm, F., Ltd.
Price's Patent Candle Co.

GLYCEROPHOSPHATES

Pointet & Girard

GOLD PAINT

Judson, D., & Son

GRINDERS

Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis B. & T.

GUMS

Fink, F., & Co.

HAIR WAVERS AND CURLERS

Merkham Trading Co., Ltd.

HAI PREPARATIONS

Capsuloids (1909), Ltd.
Chesebrough Manfg. Co.
Edwards' "Harlene" Co.
Harker, Stagg & Morgan
Herpicide Co.
John Strange Winter
Robaro's Aureoline
Rowland, A., & Sons
Woolleys, Ltd.

HAT DYES

Whitaker & Co.

HAT RENOVATORS

Christy, T., & Co.

HEATING FLASKS

Gutmann, A. E., & Co.

HERBS

Carmichael, F. J., & Co.
Potter & Clarke

HOMOEOPATHIC MEDICINES

Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.
Leath & Ross

HOTELS

Esmond Hotel
Kingsley Hotel
Thackeray Hotel

HOT-WATER BOTTLES

Berliner, Arthur
Burge, Warren & Ridgley
Fulham Pottery & Cheavin
Filter Co., Ltd.
Hutchinson Co.
Maw, S., Son & Sons
May, Roberts & Co.
Southall Bros. & Barclay
Tompkins, James, Ltd.
Wood, Vincent

HYDROGEN PEROXIDE

May & Baker, Ltd.
Sanitas Co., Ltd.

HYPOPHOSPHITES

May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

INHALERS

Christy, T., & Co.
Sangers

INK

Bewley & Draper, Ltd.
Hickisson, A. B.

INSECTICIDES

Christy, Thos., & Co.
Smith, B. A., & Co.
Tomlinson & Hayward, Ltd.
Voss, Walter, & Co.
Woolleys, Ltd.

INSECT POWDER

Boehm, F., Ltd.
Smith, B. A., & Co.

IODINE AND IODIDES

Howards & Sons, Ltd.
Morson, T., & Son

ITROSYL

Fletcher, Fletcher & Co.

JARS AND POTS

Boling, Brown & Co.
Breft, E., & Co., Ltd.
Bush, H. W., & Co., Ltd.
Christy, T., & Co.
Cook, A., & Co.
Johnsen & Jorgensen, Ltd.
Kilner Bros., Ltd.
Lang, Jules, & Son
Maw, S., Son & Sons
Pothe, H., & Co.
Reuter, R. J.
Stipendium Stopper Co.
Toogood, W., Ltd.

LACTIC FERMENTS

Allen & Hanburys, Ltd.
Cox, Arthur H., & Co., Ltd.
Davies, Sons & Co.
Martindale, W.
Parke, Davis & Co.
Wilcox, Jozean & Co.

LAMPS, DISINFECTING

Roberts, Cornford & Co.

LANOLINE

Burroughs Wellcome & Co.
Christy, T., & Co.

LARD

Chemist's Co-operative Wholesale
Ewen, J., & Sons

LIME JUICE AND CORDIAL

Evans Sons Lescher & Webb
Goodall, Backhouse & Co.
Idris & Co., Ltd.

LINSEED, CRUSHED, ETC.

Allen, Stafford, & Sons
Mumford, G. S., & Sons

LINTS

Liverpool Lint Co.
Robinson & Sons, Ltd.
Vernon & Co., Ltd.

LIQUORICE JUICE

Boehm, F., Ltd.
British Drug Houses, Ltd.
Carmichael, F. J., & Co.
Evans, Gray & Hood
Evans Sons Lescher & Webb, Ltd.
Horner & Sons
Jackson, E. E.
Mumford, G. S., & Sons

LIQUORS, CONC., ETC.

Allen, Stafford, & Sons, Ltd.
Fletcher, Fletcher & Co.
Hewlett, C. J., & Son
Robinson, B., & Co.

LITHIA SALTS

British Drug Houses, Ltd.
May & Baker, Ltd.
Merck, E.

LOOFABS

International Sponge Importers

LOZENGES

Cox, A. H., & Co., Ltd.
Denoual, J., & Co.
Jackson, E. E.
Meggeson & Co., Ltd.
Potter & Clarke
Raimes & Co.
Warrick Bros.

MACHINERY, PHARMACAL

Allen & Hanburys, Ltd.
Bennett, E., & Son, Ltd.
Bennett, Sons & Shears, Ltd.
Fecher, M. J.
Gardner, Wm., & Sons, Ltd.
Pindar, J. W., & Co.
Smith, B. A., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper (Stokes)
Wilkinson, S. W., & Co.

MAGNESIA AND ITS SALTS

Henry, T. & W.
Howards & Sons, Ltd.
May & Baker, Ltd.
Washington Chemical Co.

MAILING CASES

Estes, E. B., & Sons

MALT EXTRACT AND PREPS.

Allen & Hanburys, Ltd.
Blackie, R.
British DiaMalt Co.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb
Hewlett, C. J., & Son
Lorimer & Co., Ltd.
Oppenheimer, Son & Co., Ltd.
Paine & Co., Ltd.
Southall Bros. & Barclay, Ltd.
Woolley, Jas., Sons & Co., Ltd.
Wright, Layman & Umney

MARKING INK

Hickisson, A. (Bond's)

MEASUREFS

Bush, H. W., & Co., Ltd.

MEAT EXTRACTS

Armour & Co., Ltd.
Bovril, Ltd.
Brand & Co., Ltd.
Buvo, Ltd.

MEDICINE CHESTS

Burroughs Wellcome & Co.
Keene & Ashwell, Ltd.
Leath & Ross
Lloyd, T. Howard, & Co.
Parke, Davis & Co.

MENTHOL CONES

Bush, H. W., & Co., Ltd.
Maw, S., Son & Sons

MERCURIALS

Howards & Sons, Ltd.
May & Baker, Ltd.
Merck, E.
Tyrer, T., & Co., Ltd.

METEOROLOGICAL SETS

Darton, F., & Co.

METHYLATED SPIRIT

Burrough, J., Ltd.
Preston's Liverpool Distillery
Randall & Son, Ltd.

MILK APPARATUS

Zimmermann, C., & Co.

MILK SUGAR

Zimmermann, C., & Co.

MINERAL WATERS AND**SALTS**

Apollinaris Co., Ltd.
British Drug Houses, Ltd.
Hughes, E. Griffiths
Ingram & Royle, Ltd.
Vichy (State Springs)

MOTOR GOGGLES

Darton, F., & Co.

NAPHTHAS

Burt, Boulton & Haywood

NURSES' WALLETS

Hatriek, James L., & Co., Ltd.

OILS, ESSENTIAL

Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chem. Co.
Boake (A.), Roberts & Co., Ltd.
Boutin, G. L.
Bush, W. J., & Co., Ltd.
Chris, Antoine
Evans Sons Lescher & Webb, Ltd.
Horner & Sons
Lautier Fils
Lhermine & Cie.
London Essence Co.
Matthew, Jesse
Mullethaler, Th., Ltd.
Pasquale, S. F. de, & Fratelli
Poppelreuter, W.
Ransom, W., & Son
Roure-Bertrand fils
Sachse, E., & Co.
Scheller, Emil, & Co.
Schimmel & Co.
Schmoller & Bompard
Spencer, J., Son & Co.
Stevenson & Howell, Ltd.
Todd, A. M., Co.
Wright, Layman & Umney
Zimmermann, A. & M.

OILS, FATTY, ETC.

Allen, Stafford, & Sons, Ltd.
Price's Patent Candle Co.
Smith, B. A., & Co.

OILS, MINERAL

Carmichael, F. J., & Co.
Price's Patent Candle Co.

OINTMENTS

Blackie, R.
Chemist's Co-operative Wholesale
Oldfield, Pattinson & Co.

OPTICAL GOODS

Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Nitsche & Günther
Raphael's, Ltd.

OPTICAL INSTRUCTION
British Optical Institute**ORANGE WINE**
Melrose-Drover Co., Ltd.**OTTO OF ROSE**

Bontcheff & Kidoff
Pappazoglou, D.
Reitmeyer & Co. (synthetic)
Scheller, Emil & Co.
Seraphimoff, S., & Co.
Shipkoff & Co.

PACKED GOODS
(See WHOLESALERS)**PALATINOLIDS**

Oppenheimer, Son & Co.

PASTILLES

Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Burroughs Wellcome & Co.
Donoual, J., & Co.
Evans Sons Lescher & Webb
Meggeson & Co., Ltd.
Warriek Bros.

PATENT AGENT

Barker, R. W.

PERFUMES

Allen & Hanburys, Ltd.
Barclay & Sons, Ltd.
Bridenbach & Co.
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Chuit, Nacif & Co.
Erasmie Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Hewlett, C. J., & Son
Hovenden, R., & Sons, Ltd.
Lescol Perfumery Co.
McCracken, J. & R.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Quelch, H. C., & Co.
Southall Bros. & Barclay
Spencer, J., Son & Co.
Warriek Bros.
West, T., & Son
Yardley & Co., Ltd.

PERFUME MATERIALS

Bontcheff & Kidoff
Bush, W. J., & Co., Ltd.
Chiris, Antoine
Compagnie Morana
Lautier Fils
Mühlethaler, Th., Ltd.
Murray, O., & Co., Ltd.
Scheller Emil & Co.
Schimmel & Co.
Shipkoff & Co.
Spencer, J., Son & Co.
Zimmermann, C., & Co.

PESSARIES

Burge, Warren & Ridgley
Rendell, W. J.

PETROLEUM EMULSION
British Drug Houses, Ltd.**PETROLEUM JELLY**
Carmichael, F. J., & Co.
Chesebrough Mfg. Co.**PHOTO. CHEMICALS**

Boehringer, C. F., & Soehne
Burroughs Wellcome & Co.
Merck, E.

**PHOTO. ENLARGERS,
PRINTERS, & Co.**

Express Developing Co.
Halifax Photographic Co.

PHOTO. GOODS

Barclay & Sons, Ltd.
Darton, F., & Co.
Evans Sons Lescher & Webb
Halifax Photographic Co.
Ilford, Ltd.
Lennon, Ltd.
May, Roberts & Co.
Murdoch, John, & Co.
Nowbery, F., & Sons, Ltd.

PILL MAKERS

Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Bishop, Alfred, Ltd.
British Drug Houses, Ltd.
Cox, A. H., & Co., Ltd.

PILL MAKERS (continued)—

Davies, Sons & Co.
Evans Sons Lescher & Webb, Ltd.
Hewlett, C. J., & Son
Howards & Sons, Ltd.
Lloyd, T. Howard, & Co.
McKesson & Robbins
Parke, Davis & Co.
Standard Tablet & Pill Co.
Wand Mfg. Co.
Woolley, J., Sons & Co., Ltd.

PLASTERS

Alcock Mfg. Co.
Berliner, Arthur
Beiersdorf, P., & Co.
Dalmas, A. de St., & Co.
Leslies, Ltd.
Maw, S., Son & Sons
Solport Bros.

PLASTIC MODELS

Plastic Advertisement Co.

POLISHES (VARIOUS)

Bradley & Bourdas
Judson, Daniel, & Son
Oakley, J., & Son, Ltd.

POSTERS

Ford, Shapland & Co.

PRINTERS

Dudley & Co.
Ford, Shapland & Co.
Harrison & Waide
Parkes, John, & Co.
Smith, W. H., & Son
Townsend, J., & Sons

PROPRIETARY ARTICLES

American Drug Stores
Anglo-American Drug Co.,
Anglo-American Pharm. Co.,
Ltd.
Ashton & Parsons, Ltd.
Atkinson & Barker
Barclay & Sons, Ltd.
Battie, Son & Maltby
Beecham, T.
Beiersdorf, P., & Co.
Box, W. H.
British Drug Houses, Ltd.
Burgess, E.
Capsuloids (1909), Ltd.
Christy, T., & Co.
Coleman & Co., Ltd.
Congreve, G. T.
Cox, A. H., & Co., Ltd.
Curry, Henry
Daggett & Ramsdell
Daisy, Ltd.
Danyisz Virus, Ltd.
Davenport, J. T., Ltd.
Day & Son (Crewe), Ltd.
Day, Son & Hewitt
Denoual, J., & Co.
Edwards, W., & Son
Elliman, Sons & Co.
Evans Sons Lescher & Webb
Faulding, F. H., & Co.
Fellows' Syrup
Fennings, Alfred
Ferris & Co.
Fulford, C. E., Ltd.
Goodall, Backhouse & Co.
Grapelax, Ltd.
Gutmann's Successors
Guy's Tonic Co.
Henry, T. & W.
Himrods Asthma Cure
Hovenden, R., & Sons, Ltd.
Hughes, E. Griffiths
Ichthyol Co.
International Chemical Co.
Iron-Ox Rem. Co., Ltd.
Kay Bros., Ltd.
Kutnow, S., & Co., Ltd.
Lalor's, Dr., Phosphodyne
Lambert Pharmaceutical Co.
Lofthouse & Saltmer
Lorimer & Co., Ltd.
May, Roberts & Co.
Menley & James, Ltd.
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Owbridge, W. T., Ltd.
Pedezy Co.
Resinol Chemical Co.
Sangers'
Schimmel & Co.
Scott & Bowne, Ltd.
Smith, Maurice
Squire & Sons
Standard Tablet & Pill Co.
Stedman's Teething Powders
Thermogene Co., Ltd.
Thompson & Capper
Wilcox, Jozcau & Co.
Wulffing, A., & Co.
Zetos, Ltd.

(See also DENTIFRICES and TOILET ARTICLES)

PULVELLÆ

Warriek Bros.

PULVERETTES

Oppenheimer, Son & Co., Ltd.

PUMPS

Berkefeld Filter Co., Ltd.

QUININE AND SALTS

Boehringer, C. F., & Soehne
Carmichael, F. J., & Co.
Howards & Sons, Ltd.
Pointet & Girard

RAPE OILS

Hull Oil Mfg. Co.

RAZORS

Auto-Strop Safety Razor Co.
Gillette Safety Razor, Ltd.
Hovenden, R., & Sons, Ltd.

RENNET

Fullwood, R. J., & Bland

Oldfield, Pattinson & Co.

RESINS AND RESINOLIDS

Allen, S., & Sons, Ltd.
Allen & Hanburys, Ltd.
Morson, T., & Son
Ransom, W., & Son
Smith, T. H., Ltd.

RESPIRATORS

Zimmer & Co.

RUBBER GOODS

Burge, Warren & Ridgley, Ltd.
Davol Rubber Co.
Evans Sons Lescher & Webb, Ltd.
Fecher, M. J.
Galen Mfg. Co.
Hatrack, James L., & Co., Ltd.
Haywood, J. H.
Hovenden, R., & Sons, Ltd.
Hutchinson Co.
Maw, S., Son & Sons
May, Roberts & Co.
Wanklyn, H. A.
Warne, W., & Co., Ltd.

SACCHARIN

Saccharin Corporation, Ltd.

SALICIN

Macfarlan, J. F., & Co.
Smith, T. H., Ltd.

SAMPLE CASES

Kean, Thomas

SANTONIN

Smith, B. A., & Co.

SAPONIN

Field, C. W.
Stlamer, Dr. R.

SAUCES

Goodall, Backhouse & Co.

SCALE PREPARATIONS

Morson, T., & Son

SEA SALT

Tidman & Son, Ltd.

SEA-SICKNESS REMEDY

Zotos, Ltd.

SELTZOGENES

Aerators, Ltd.

SERUMS AND ANTITOXINS

Allen & Hanburys, Ltd.
Evans Sons Lescher & Webb
Parke, Davis & Co.
Schimmel & Co.
Wilcox, Jozcau & Co.

SHARES

McAdam & Tuckniss

SHEEP-DIPS

Burt, Boulton & Haywood

Sanitas Co., Ltd.

Tomlinson & Hayward, Ltd.

SHOP-FITTING

Ayrton-Graham, Ltd.

Bowling Son

Evans Sons Lescher & Webb, Ltd.

Josephs, P., & Son

Maw, S., Son & Sons

Mills, H.

Parnall & Sons, Ltd.

Rudduck & Co.

Sangers'

Southall Bros. & Barclay, Ltd.

SOAP MATERIALS

Armour & Co., Ltd.

Chiris, Antoine

SOAPS

Allen & Hanburys, Ltd.
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Bridenbach & Co.
Bronnley, H., & Co., Ltd.
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Erasmie Co., Ltd.
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Burrough, J., Ltd.
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SPONGIO-PILINE

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Fletcher, Fletcher & Co.
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Burroughs Wellcome & Co.
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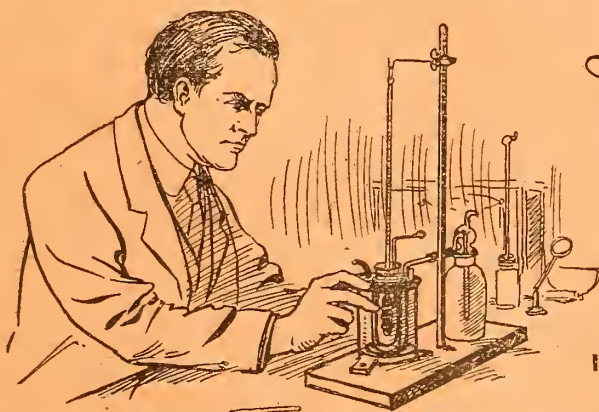
THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, SEPT. 11, 1909.

PUBLISHER'S NOTICE TO ADVERTISERS.

Advertisers are desired to take note that the advertisements of Businesses for Disposal and Wanted, Situations Open and Required, Exchange Column, &c., belong to the **PREPAID CLASS**, and to ensure the due insertion of the **announcements the remittances must accompany the instructions**. A great amount of unnecessary correspondence is occasioned by the non-observance of this regulation, and the Publisher hopes that the advertisers will assist in the quick preparation and despatch of the Supplement by strictly observing this rule. Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. Advertisers desiring to telephone an announcement to us can do so, but in such case it will be necessary to telegraph the money and to state that such money order is to be delivered at 42 CANNON STREET. Telephone No.: 852 BANK (two lines). Telegraph Address: "CHEMICUS, LONDON."

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."



The most delicate test of the value of publicity is the kind of result obtained

IT PAYS TO PAY FOR PUBLICITY IN THE C. & D. SUPPLEMENT.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

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2.—LONDON, S.E. (Main Thoroughfare).—Cash Retail Business; returns under management £1,000; net profit £325; full investigation invited; price £600, or £300 on entry and £325 by instalments.

3.—HAMPSTEAD.—Good-class Business, Retail and Dispensing; capital situate in shopping thoroughfare; returns £900 (present rate); net profit £250; well-appointed shop and house; held on long lease; price £750, or valuation if preferred.

4.—LONDON, S.E. (Residential Suburb).—Light Retail, Dispensing, Photographic, and Optical; all good middle-class trading; established 50 years; gross receipts for 1908 were £700, and the net profit £245; capital residence; price £350, or valuation of stock and fixtures.

5.—NORTH OF ENGLAND.—Modern Pharmacy; position unique; returns £1,550; net profit £350; no immediate opposition; price £1,100.

6.—INLAND HEALTH RESORT.—Old-established Business, Retail and Dispensing; returns under management £700; scope for development; well-fitted Pharmacy, with good house attached; terms, about the value of stock and fixtures.

7.—WESTERN COUNTY.—Vendor retiring; old-established Business, Retail and Dispensing; returns exceed £1,400; to effect a speedy transfer the sum of £560 would be accepted.

8.—SUSSEX (Health Resort).—General Retail Business; returns average £20 per week; profit (net) £300; terms, lease and goodwill £100, stock and fixtures at a fair valuation.

9.—GLOS.—Old-established Business; Cash Retail and Prescribing; returns between £750 and £800; gross profit 40 per cent.; well-appointed shop, double fronted; excellent house; held on long lease; price £650.

10.—BUCKS.—Mixed Business; established 1804; returns average £940, which produce a net income of £300; commodious residence with lovely garden; satisfactory reason for disposal; price £700.

11.—WORCESTERSHIRE.—Retail, Dispensing and Optical; returns between £750 and £800; net profit £230; well-fitted shop; corner position; roomy house; price £500.

12.—BIRMINGHAM (near).—Vendor retiring; old-established Business; returns average between £1,000 and £1,100 per annum; excellent profits; terms, valuation of stock and fixtures, and a sum for goodwill to be arranged equitably.

13.—KENT (Market Town).—Established Business, Retail, Dispensing and Prescribing; returns under assistant £600; net profit £120; large house; capital position; offer wanted.

14.—EASTERN COUNTY.—Mixed Business; entirely unopposed; returns £1,115; net profit £250; double-fronted shop; good residence; garden; rent £35; price £450; part may remain, say £150.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasise the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

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VALUERS,

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Telegrams, "Brett Leicester." Telephone 160 Y.

VALUATIONS have always had our special and personal attention, and an experience of thirty years is at your disposal.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a Purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE

1.—YORKS.—In the busiest thoroughfare and in the centre of large manufacturing town, an up-to-date good-class Pharmacy; imposing premises; excellent house and shop; returns about £1,800; good profits; valuation, about £1,100; an excellent concern.

2.—LONDON, W.—Good-class Retail and Dispensing in thickly populated residential neighbourhood; several valuable Proprietaries; splendidly fitted shop and excellent house; returns £650, and increasing; price £650, or valuation; worth prompt attention.

3.—WEST MIDLANDS.—One of the finest Businesses in the district; pretty market town; very nice Family Retail, Agricultural, Photo, little Wholesale and Mineral-waters; excellent shop and premises; returns considerably over £2,000; price, goodwill and valuation, about £1,900; very profitable; vendor will consider partner with £1,000; references required.

4.—YORKS (on the borders of Lancs).—A very nice General Retail, with splendid sale of own Proprietaries; good house and large shop; returns under manager £925; very profitable; price £50, and stock and fixtures at valuation; good business to be done in Optics.

5.—DEVON.—Good-class Light Retail and Dispensing; old-established; very nice convenient house and large garden; returns nearly £1,000; net profit over £300; valuation, about £850; part can remain; low rent; an excellent opportunity.

7.—SURREY.—General Light Retail, Prescribing, and little Photo; no serious opposition; convenient house; old-established; returns £600; net profit £200; price £250.

8.—NOTTINGHAM.—Good General Mixed Retail and Prescribing; very old established; no Patents; good premises; moderate rent; returns £600; net profit £300; price £400.

9.—SHEFFIELD.—General Cash Retail; been greatly neglected on account of ill-health; convenient house and nice shop; low rent; returns £220; net profit about £60; price £90.

10.—LEICESTERSHIRE.—Good General Retail and Dispensing; in excellent position of busy district; returns over £700, has done double; price at valuation, about £400.

PARSON C. BAKER

174 VICTORIA ST., LONDON, S.W.

Recommended by—MESSRS. BARRON, HARVEY & CO.
Telephone: MESSRS. MEGGESON & CO.
No. 27 Victoria. MESSRS. BARCLAY & SON, LTD.

LARGE Town (Hampshire).—Old-established Family Dispensing and Retail, returning about £1,400, at good prices; good shop; large house; rent £100 (can let off £50), with separate entrance; business can be largely extended; very small goodwill and valuation; fullest investigation allowed.

CENTRAL Position (S.W. District).—Old-established first-class Cash Retail; increasing return, now £1,550, at full prices; rent £100; net profit £400; price £1,500; part can remain.

NORTH LONDON (Leading Thoroughfare; populous district).—Corner shop; good window; Prescribing and Cash trade; returns nearly £700; can be rapidly increased in good hands; rent only £45; price £250, or offer.

PRINCIPAL Thoroughfare (North London).—Neglected Business; in splendid position; in good hands would do £1,500 at once; first reasonable offer.

WANTED, to purchase good Country trade Cash; capital £1,500; direct negotiation.

W. J. ROGERSON,

(late Director Messrs. Hearon, Squire & Francis, Ltd.)

will be glad to undertake

Valuations for Transfer of Business, Probate Stocktaking, &c.

Terms reasonable. Distance no object.

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Valuations for transfer of business, Probate, &c. Businesses for disposal. Stocks and Fixtures purchased to any amount for cash. Stocktakings undertaken. A Register kept of Assistants and Chemists requiring Assistants; no charge made.

3 Belgrave Terrace, LEEDS

TELEPHONE 02949.

MESSRS. BERDOE & FISH,

Chemists' Valuers and Transfer Agents,

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TELEPHONE: 1809 CENTRAL.

Have the following Businesses for Disposal. (No charge to Purchasers.)

1.—FASHIONABLE Inland Health Resort (South).—Good-class Retail and Dispensing Business; returns under manager £2,250; net profit about £650; very handsome Pharmacy; heavily stocked; applicants with £2,000 can have further particulars.

2.—DEVON (Market Town).—Good-class Country Retail Business; in central position; returns nearly £1,000; net profit £330 to £350; good house and garden; attractive Pharmacy; price about £850, simply valuation; £300 can remain.

3.—HAMPSHIRE.—Old-established Light Retail Business, returning nearly £1,350; net profit £450 to £500; very best position; no keen competition; price £1,275.

4.—HOME COUNTY.—Good-class Dispensing and Retail Business; returns £1,000; net profit over £300; good position; exceptionally well fitted and stocked; price £760.

5.—LONDON, S.W. (Main Road).—Fine corner position; Cash Retail, Dispensing, and Prescribing Business; returns over £2,000 under manager; principal could do £60 weekly; price £900, or valuation; no goodwill required.

6.—NORWOOD (Death Vacancy).—Valuation or offer; good-class Business; must be sold; present returns £14 weekly; can easily be doubled; splendid position; good premises; no reasonable offer refused.

8.—NORTH OF ENGLAND.—Good Light Retail Business, in very best position of important town; returns nearly £1,900 (present rate); handsome shop; fully stocked; large house; every convenience; price £1,100, about value of stock and fixtures; strongly recommended.

9.—MIDLANDS.—Good-class Light Retail and Dispensing Business; in good position; returns between £700 and £800; net profit £220; good house; double-fronted shop; price £500; part can remain.

10.—LANCS (Seaside Resort).—High-class Retail and Dispensing Business, in prominent position and showing steady increase; returns about £900; good profits; price £550, or valuation.

11.—BUCKS.—Good Country Retail Business, in most charming locality; returns nearly £1,000; easily worked; nice house and garden; fully stocked; price £400; personally inspected.

12.—SURREY.—Good-class Retail, Dispensing, and Prescribing Business; capable of increase; net profit £190; good house and garden; stock and fixtures worth £350; price £400.

13.—SOUTH KENSINGTON.—Good-class Retail and Dispensing Business; returns over £1,100; net profit £350 clear; very good position; well fitted and stocked; price £850.

14.—STREATHAM.—Light Family Retail Business, returning nearly £700; no near opposition; net profit £200; good house and shop; valuation only required, about £300 to £350.

STOCKTAKING VALUATIONS.

Messrs. BERDOE & FISH make a special feature of, and special terms for, periodical valuations for stocktaking purposes. We value the stock in full detail without disturbing the routine of the business in the slightest degree; in fact, when we finish you do not know we have been. The advantages of stocktaking are: (1) You know your exact profit for income-tax and other purposes; (2) If you are overstocked, you know where, because we tell you; (3) You know whether you are fully insured against fire, and if you should have a fire, the production of our books would soon settle your claim without any loss; (4) If you wanted to sell your business you would do so twice as quickly if you had stock taken; (5) Our charges for doing the work are much lower than for ordinary valuations, and we shall have much pleasure in forwarding them on application.

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Probate, and Stocktaking

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Of well-known experience to a London House.
Businesses Wanted and for Sale.

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THOS. TOMLINSON & SON,

Chemists' Valuers and Expert Stocktakers,

Businesses transferred privately.

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3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

Replies to Advertisements may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

BOW, E.—Compact Cash Light Retail and Prescribing Business; well stocked; in splendid position; returns about £400; unusually profitable; great scope for increase; owner retiring; terms very favourable to purchaser. 196/15, Office of this Paper.

CHESHIRE.—Old-established Light Retail and Dispensing; rent £40; takings £1,200; Prescriptions, 4,200; electric light; good house accommodation; ill-health of proprietor is sole reason for disposal; valuation and £150 for goodwill. Apply, "Salipyrin," c/o Evans Sons Lescher & Webb, Ltd., Liverpool.

CHESTER.—The Business of the late Mr. Archibald Thomson; well stocked; sound connection; fine Dispensing, Light Retail; old established and in good position; incoming in neighbourhood of £1,000; bona fide inquirers will be placed in full possession of all particulars. Apply, Executors, 71 Northgate Street, Chester.

HOME COUNTY.—First-class Retail and Dispensing Business, in most desirable locality, within 20 miles of London, yielding a net income of nearly £450 after paying every outgoing; increasing yearly; unlimited scope for Optics; handsome Pharmacy; very best position; price about £1,250; valuation terms if preferred. "Southern" (196/02), Office of this Paper.

LANCASHIRE (Large Industrial Centre).—Old-established Light Retail; capable of extension with energetic man; incoming small, and if necessary on easy terms; about £300 required. Apply, "Instant" (194/20), Office of this Paper.

LANCASHIRE (South).—Good-class Wholesale and Retail Business, returning £2,500, and making a net profit of £550 per annum; modern shop; excellent house; low rent, on lease; same hands 14 years; price, inclusive, only £1,100; would suit two friends, as business can be much increased. "F. G." (196/23), Office of this Paper.

LINCOLNSHIRE.—Mixed Retail Business in large market town; returns £800; good position; rent £70; price £250, or valuation of stock and fixtures. Further particulars from "Celesta" (192/8), Office of this Paper.

LIVERPOOL.—Chemist-Optician; splendid stand in main thoroughfare; imposing modern Pharmacy; well lighted, convenient, and well-equipped testing-room on ground floor; good sight-testing connection; medical prescriptions 770 yearly; both branches capable of large expansion; rent of house and shop £45. "Oculus," 178 Walton Breck Road, Liverpool.

LONDON.—Owing to continued illness of proprietor an old-established Business, situated in good district, making net profit over £200 yearly, would be sold to immediate purchaser for £200; your money back in a year; exceptional opportunity; full investigation courted. "J.", 2 Elsinore Road, Forest Hill, S.E.

LONDON, N.—Excellent opportunity to acquire a sound Cash Retail Business; turnover last year nearly £950; profits exceptionally good; locality healthy and well populated; good position; bona fide purchasers write further particulars; reasonable offer considered at once. "Acacia," c/o Willows & Co., Ltd., 40 Aldersgate Street, E.C.

LONDON Suburb.—High-class Light Retail, Dispensing, and Photographic Business in main thoroughfare; shop handsomely fitted and well stocked; good opening for Optics; price, valuation of stock and fixtures (about £400); fullest investigation invited to genuine buyer; references required; no agents. "Confidential" (195/11), Office of this Paper.

LONDON.—For immediate Disposal, through illness, a reliable concern in a working-class locality; the net profits are excellent, and the business affords a real money-making opportunity to the right man; price low, and easy terms could be arranged with suitable gentleman. "Reliable" (194/35), Office of this Paper.

LONDON, S.W.—£450; Cash Business; open one year; takings already average over £10 per week under management; large modern shop, well fitted and stocked; in main thoroughfare of rapidly growing neighbourhood; rent, including 6-room house, £60; 21 years' lease optional; splendid opening for Optics, Dentistry, and Photography; owner, a widow, leaving England. 193/9, Office of this Paper.

NORTH OF ENGLAND.—Business for Sale, doing large turnover, comprising Chemists', Photographic, and Wines; carried on as "Stores"; in first-class position; two small branches, one with Wine-licence, other with Wines, Spirits, and Beer; £4,000 will be required. Apply, 190/28, Office of this Paper.

PRESTON.—Attractive and well-fitted Shop, with good Chemist's and Druggist's Business, taking £10; increased £6 per week past year, and rapidly growing; rent only £20; price all, £325. Apply, Utton Bros., 6 Cannon Street, Preston, and refer 1576. Teis., Uttons, Preston. Nat. Tel., 408.

SOUTH COAST.—Returns average about £20 a week; Light Retail and Prescribing; up-to-date fitted shop; will accept £100, plus valuation of stock and fixtures; scope for increase for modern pushing man. Apply, "X. Y. Z." (191/29), Office of this Paper.

WARWICKSHIRE (Health Resort).—For immediate Sale, owing to death, a high-class Dispensing, Photographic, and Optical Business; well-appointed Pharmacy; handsomely fitted and fully stocked; full investigation invited. Apply, "A. E. D.," c/o Wyleys, Ltd., Coventry.

WEST OF ENGLAND.—Country Business; Light Retail, Dispensing, good sale of own Proprietarys; price £200; returns £350; rent, on lease, £18; house and garden could be sublet for £10; no opposition; satisfactory reasons for disposal; no agents. "Rhei" (191/7), Office of this Paper.

WORCESTERSHIRE.—Prescribing and Light Retail; returns £325; profits £150; rent £32; ample scope for increase; capital chance for Extractor. "Storax" (191/10), Office of this Paper.

An old-established Business of over 20 years' standing, with large connection here and abroad; reason for selling, vendor retiring; long lease and low rent; price £450; business could be largely extended by adding a Chemist's business. G. J. Wilcox, Importer of Medical and Surgical Appliances, opp. Royal Hospital for Children and Women, 68 Waterloo Road, London, S.E.

BUSINESSES for Sale.—Southall Bros. & Barclay, Ltd., will be pleased to supply Pharmacists with particulars of Businesses on their lists. Applicants kindly state exactly the nature of their requirements, Southall Bros. & Barclay, Ltd., Valuation Dept., Birmingham.

CHEMIST, retiring from business through ill-health, wishes to Dispose of same; rising neighbourhood; stock and fixtures at fair valuation. Apply, 160/10, Office of this Paper.

CHEMIST'S Business for Sale; over 20 years; also good double shop and large house and garden; large village and splendid country; all-round nice situation; retiring from business; a splendid opening for a pushing hand; a grand business can be done; offers wanted at once. Apply to J. Dunlop, Agent, Eaglesfield, Ecclefechan.

BUSINESSES FOR DISPOSAL

(continued.)

DEATH Vacancy.—To be Sold, a Homœopathic Business in best street in Wolverhampton; established 18 years; no reasonable offer refused. Apply, Messrs. Lloyd, 70 Darlington Street, Wolverhampton.

DENTAL Branch Practice for Sale; furnished complete; good living accommodation; splendid opportunity for unqualified principal; busy town; low rent; takings over £100; easily doubled; price £50. Write, "Kent" (158/44), Office of this Paper.

FOR SALE, AS A GOING CONCERN OR OTHERWISE,

THE Business known and carried on as "THE BOLIO CO." at Leckhampton, Cheltenham. This Business is well established, and has been carried on for the Manufacture and Sale of Veterinary Medicines and Specialities for the past 10 years. Such preparations as BOLIO, Hicks' Electric Fluid (well known for upwards of 40 years), The Bolio Warble and Bot-fly Preventative, and Hicks' Cancer Cure, are widely known and appreciated, testimonials being constantly received. The whole of the specialities are fully protected in the United Kingdom and Canada. The Proprietor is selling the Business for satisfactory reasons. A moderate premium will be accepted. An exceptional opportunity for anyone with enterprise and capital.

Apply, Messrs. Heath & Eckersall, Solicitors, 3 Regent Street, Cheltenham.

HEALTHY Suburb (10 miles from City).—Cash Business doing £600; profits above average; rent and taxes low. Apply, 191 25, Office of this Paper.

LIVING Assured, and the Best of Prospects to Hard Worker.—Exceptionally profitable Business, in busy working-class neighbourhood, Leeds, for immediate Disposal at a valuation; well established; little opposition; few Patents; returns last 12 months (under management) £550; will bear investigation; fortnight's working trial allowed. "B." (197/4), Office of this Paper.

UP-TO-DATE premises, in good position of South-East Coast town; exceptionally profitable; could be greatly increased by introduction of modern trading; plenty of scope; convenient premises; good dwelling-house; ill-health cause of sale; at valuation only, about £400. "Dermus" (192/34), Office of this Paper.

VERY Exceptional.—Owner (retiring) will accept nearest offer to £400 for Business showing net profit £212; stock and fixtures alone worth £430; profitable Proprietaries; valuable lease; full prices for Patents; books kept; trial invited; this is a chance of a lifetime. "Pharmacist," 39 Lilyville Road, Munster Park, S.W.

YORKSHIRE.—Net profit £235; successful Light Retail and Family Business; excellent condition; main street; rent £45; lease; good convenient house; cash price £650, or valuation; quick sale desired; owner buying larger; same hands over 12 years; personal inspection invited; bona fides only please reply; only requires seeing to secure purchaser. "Progress" (193/18), Office of this Paper.

£80, easy terms; vendor's age (70) compels Sale, hence bargain; very busy spot, good shopping main road, N.W.; practically unopposed; dense population, including considerable portion first-class families; position equalling best anywhere will appeal to business-builders by moderate outlay to convert into first-class Pharmacy; will purchase itself. 192/9, Office of this Paper.

TENDERS.

THE ROYAL HOSPITAL FOR DISEASES OF THE CHEST, CITY ROAD, E.C.

THE Drug Committee invites TENDERS for the Supply of DRUGS, etc., to this Hospital from September 29, 1909, to September 29, 1910.

Scaled Tenders, addressed "Tender for Drugs, etc.," must be forwarded to the Secretary, at the Hospital, before noon on WEDNESDAY, September 22.

Forms of Tender and all other information can be obtained at the Secretary's Office.

The Drug Committee does not undertake to accept the lowest or any other Tender.

Separate Tenders are invited for the Supply of EXTRACT OF MALT and EXTRACT OF MALT AND OIL.

By order,

A. T. MAYS,
Secretary.

PARTNERSHIPS.

MANUFACTURING Wholesale and Export Perfumers, converting their business into private limited liability company, offer lucrative positions to experienced men who can introduce business and capital. Address fully, giving amount of capital can invest, to "Export," c/o J. W. Vickers & Co., 5 Nicholas Lane, E.C.

FOR SALE.

FOR Sale, the whole of the Fixtures and Trade Utensils, comprising wall-fixtures, counters, wall-cases, counter-cases, dispensing-scales, window-fittings, shop-rounds and jars, etc. Apply, J. & J. Thompson & Co., Ltd., 192 Manchester Street, Oldham.

FOUR 4-gal. pear-shape Show Carboys, plain stoppers, fig. 1449 Maw; 10s. each. R. H. Treweeks, Pembroke.

GOODWILL, Trade-mark, and Stock of the finest Toilet article on the market for Disposal on terms to suit purchaser; only small working capital required. Full particulars, on receipt of letter, to "H. S." (191/27), Office of this Paper.

THE complete Fittings of my up-to-date Branch Chemist shop at Trefriw, North Wales, for Sale; rare opportunity for a beginner or one contemplating opening a branch. Further particulars, Arthur Parry, Pharmacist, Llanrwst.

BUSINESSES WANTED.

MESSRS. BERDOE & FISH desire to inform intending vendors that they have a number of genuine cash buyers desirous of purchasing Businesses returning from £800 to £3,000 in the Home Counties, West of England, Midlands, and Manchester districts; strictest confidence may be relied upon; terms sent on application. Address, 35 Jewry Street, Fenchurch Street, E.C.

SMALL neglected Business wanted in a busy thoroughfare, S.W., N.W., or W. preferred, with ample scope to increase and suitable for developing good-class Cash trade; basement or storeroom essential. State lowest price, etc., in reply to "X." (196/40), Office of this Paper.

WANTED, Retail and Dispensing Business by experienced and energetic qualified man, where part capital can be paid down; highest references. All communications confidentially treated, "Pharmacist," 64 Barnmead Road, Beckenham, Kent.

AGENCIES.

GENTLEMAN, with City office and sound living connection among London Chemists, is open to take up Agency for Country Manufacturer desirous of having a representative in London; part expenses and commission. Apply to 159/46, Office of this Paper.

YOUNG Chemist, going shortly to New Zealand for his health, would undertake Representation of Chemists' or other special lines, or would Represent good Wholesale house; good references. "Chemicus," 17 Portland Place, Bath.

TO LET.

CHADWELL HEATH.—Chemist's Shop; main London road; splendid central position; no opposition; fitted in good style; nice house with bathroom and private entrance; excellent opportunity for business man; fixtures at valuation; rent £40 per annum. Apply, Ashton, High Road, Chadwell Heath. Tel. 728 Ilford.

CRICKELEWOOD BROADWAY (adjoining Tram and Bus Terminus).—To Chemists and Druggists.—To be Let, commanding Shop Premises, with house over, in this important thoroughfare; magnificent opening here for this trade; rent £125 per annum; shop-front, fittings, and advantageous terms arranged for responsible tenant. Apply, at once, to A. Bretzfelder, Builder, 180 Cricklewood Broadway, N.W.

WIMBLEDON.—278 Haydon's Road, Queen's Road; end Shop and House to Let; specially fitted to suit Chemist; death cause of being vacant. Apply, T. Jones, 286 Upper Richmond Road, Putney.

FREE Shops to Let to Quarter Day; good shops; fortune to Chemists; unopposed spots, Westcliff and Southend; rents £28 to £90. R. Shorefield, 2 Station Road, Westcliff-on-Sea.

SHOP to Let; positively a good opening for a Chemist and Druggist; situated in a very fast-growing district with no other Chemist shop in the road; address, 82 Moyser Road, Streatham. Apply, H. Thorp, 42 Pretoria Road, Streatham.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.



RESULTS
OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK SEPT. 4 1909

NATURE OF ADVT.	REPLIES
UNQUALIFIED ASSIST.	44
STOCK-KEEPER	35
ASSISTANT	27
WORKROOM MANAGER	19
QUALIFIED MANAGER	10
ASSISTANT	15

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of advertisers who use a number or nom de plume.

RETAIL.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR—millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that the Advertiser pays postal charges in such cases, and perhaps this reminder will obviate the necessity of the constant return of remittances which forgetfulness of this fact entails.

REPLIES TO ADVERTISEMENTS may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

BIRMINGHAM.—Qualified Manager for Manufacturing and Retail, with experience in Mixing; no Sunday duty. Apply, stating age, experience, and salary required (outdoors), and enclose photo (192/18), Office of this Paper.

BIRMINGHAM.—Qualified Assistant; must be good Dispenser and able to take charge of branch; outdoors. Apply, giving full particulars of age, height, salary required, etc., enclosing photograph, to Hedges & Son, Pharmacists, Birmingham.

BOMBAY.—An Assistant wanted possessing the Minor qualification, between 25 and 30 years of age; good salary; preference given to applicants having a knowledge of Surgical Instruments and Scientific Apparatus; 4 years' agreement would have to be signed. Apply, with photo and full particulars, to "Assistant," c/o Messrs. Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, London, E.C.

BOMBAY.—Assistant (just through his exam. preferred) for an English firm of Chemists; two other qualified Assistants kept; passage P. & O. paid out and home; 3 years' agreement; salary first year £175, second £200, third £215. Apply, with photo and copy testimonials, to "Bombay," c/o S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

CITY.—Wanted, Assistant with Continental experience, speaking German; easy hours; no Sunday duty. Apply, Robert Howden, 28 Gracechurch Street, E.C.

DRESDEN.—High-class International Pharmacy requires Assistant about middle of October; gentleman with first-class London and Continental experience and with some knowledge of German preferred. Photo and full particulars to Reichs-Apotheke, 10 Bismarckplatz, Dresden.

FOLKESTONE.—Junior wanted, outdoors, about September 20, for good-class Retail, Dispensing, and Photographic business. Please send full particulars and salary required, enclosing carte (to be returned), to Mallinson, Central Pharmacy, Folkestone.

FOLKESTONE.—Junior qualified Assistant wanted, to live indoors. Apply, stating age, salary required, and previous experience, also enclose photograph, to J. W. Stainer, Chemist, Folkestone.

INDIA.—Wanted, Chemist Assistant; Minor qualification; a first-rate appointment with leading firm; 3 years' agreement. Reply, giving full particulars of experience and copies of testimonials, to "Eastern" (158/18), Office of this Paper.

LONDON, W.—Qualified gentlemanly Assistant wanted as Second, with early prospects of promotion; must be tall and of good address, and accustomed to a high-class Dispensing business; personal interview imperative. Apply, by letter, stating age, height, salary (outdoors), and experience, to Mr. Lewis, Chemist, Ealing, W.

LONDON, S.E.—Qualified Assistant, outdoors, knowledge of Photography, wanted for a good medium-class Cash business. Apply, usual particulars, 193/6, Office of this Paper.

LONDON, W.—Assistant, qualified, outdoors, required for good-class Retail and Dispensing business. Apply, stating full particulars, references, salary required, etc., to "J. B." (191/38), Office of this Paper.

LONDON.—Manager required for a good-class Dispensing business returning £1,000; an opportunity will be given to a suitable man with undeniable references to gradually acquire possession. Apply, "C. O." (159/39), Office of this Paper.

LONDON, N.W.—Wanted, an Assistant, at once, for a fortnight; indoors; ample time for reading. Also Part-time Assistant required. Apply, Hughes, 120 Seymour Street, Euston, N.W.

LONDON, W.—Part-time Assistant, outdoors, for good-class Dispensing business. Apply, personally preferred, to Davies & Long, 48 Dorset Street, Baker Street, W.

LONDON, S.W.—Manager required (indoors) for high-class Dispensing business. Apply, giving usual particulars, to "A. J. P.," Messrs. Plaister & Co., 13 Gledhow Terrace, South Kensington; S.W.

LONDON, S.W.—Wanted, competent Assistant for good-class Dispensing business; aged 25 to 28; indoors. Apply, with full particulars, and stating salary required, to Pooley & Co., 15 Hill Road, Wimbledon, S.W.

LONDON, W.—Qualified Assistant, with good Dispensing experience; outdoors. Apply, personally if possible, or give full particulars in first instance, to Sharpe & Son, 34 High Street, Notting Hill Gate, W.

LONDON, W.—Competent Assistant for good-class Dispensing and Retail business; must be an accurate Dispenser. W. Pickard, 3 West Kensington Terrace, W.

LONDON, N.E.—Qualified Assistant (outdoors) for a good-class suburban business; half-day off every week. State age, height, experience, and salary expected, also enclose photo (if possible), to Matthews & Son, Chemists, 722 High Road, Leytonstone, N.E.

LONDON.—An opportunity occurs for young qualified man to obtain valuable knowledge of Wholesale Packing and Manufacturing, together with up-to-date Store Retail experience; light hours; indoors; healthy district; experience secondary to good character. Post full particulars to "J.," c/o "Pharmacist," 3 Broadway, Ludgate Hill, E.C.

SITUATIONS OPEN *(continued).*

LONDON, N.W.—Wanted, unqualified Assistant; indoors; good Dispenser. Apply, Hughes, 28 Circus Road, N.W.

LONDON, S.W.—Junior Assistant; about 21; indoors; accustomed to Dispensing and Light Retail; knowledge of Optical business an advantage, but not essential; weekly half-holiday. State age, height, experience, salary required, and enclose photo, Chemist-Optician, 76 High Street, Wimbledon, S.W.

LONDON, N.W.—Part-time Assistant, qualified, for evenings; good Counterman required. State age and terms, etc., to "K." (197 1), Office of this Paper.

LONDON, S.W.—Qualified Assistant wanted for Dispensing; must be quick and accurate. Apply, by letter only, giving full particulars, to J. B. Wigginton, Chief Chemist, Harrods, Ltd., Brompton Road, S.W.

NEWCASTLE-ON-TYNE.—Qualified man wanted to take charge of small branch; good Prescriber; one preferred who would work business up; middle-aged not objected to; must be thoroughly steady. Apply, stating age, experience, salary, and references, to Alwyne Dyson, Ltd., Newcastle-on-Tyne.

NEWPORT, Mon.—Junior Assistant wanted for brisk business, half-holiday weekly. State age, reference, salary required (outdoors), and enclose photo, J. Phillips & Son, Cash Chemists, Newport, Mon.

NORTHAMPTON.—Wanted, qualified Manager for branch business; must have highest reference and knowledge of Photography. E. C. Ashford, Chemist, Northampton.

PARIS.—Qualified Assistant; age about 25; with knowledge of French; Continental experience preferred. "Quinquina" (196/29), Office of this Paper.

SCARBOROUGH.—Wanted, a qualified Assistant for first-class Retail and Dispensing. Apply, with full particulars, salary, etc. (indoors), Clare & Hunt, Scarborough.

SCOTLAND.—Wanted, experienced, unqualified Assistant; outdoors; Dispensing and Light Retail; good at Counter and Specialities; good appearance. Apply, giving full particulars and salary required, to 190/29, Office of this Paper.

SEVENOAKS.—Competent Assistant, well up in Dispensing, unqualified, for good-class business; permanency. Please state age, height, references, salary required (indoors), enclosing photo, to Pain & Powell, Chemists and Opticians, Sevenoaks.

SHANGHAI.—An Assistant wanted, possessing the Minor qualification, between 23 and 30 years of age; good salary; single; and good prospects for man willing to work. Apply, with photo and full particulars, to "Assistant," c/o Messrs. Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, London, E.C.

SHEFFIELD.—Qualified, about 26, for quick Cash trade; outdoors; must be well up in Photography and a good Window-dresser; half-holiday weekly. State full particulars of experience and enclose photo to H. G. Williams, 118 The Moor.

SOUTH KENSINGTON, S.W.—By about September 27, smart, competent Assistant required for brisk Dispensing and Retail business; outdoors. Apply, by letter in first instance, giving full particulars of age, experience, references, and salary required, P. Bolton, Dispensing and Store Chemist, 1 Sussex Place, South Kensington, S.W.

SOUTH WALES (Mining District).—Qualified Assistant; abstainer; accustomed to Prescribing and good Salesman; hours moderate; no Sunday duty; weekly half-holiday; a knowledge of Welsh an advantage, but not absolutely essential; references must bear strictest investigation. Apply, stating age, salary, etc., Jones, 14 Llanbleddian Gardens, Cathays, Cardiff.

SWITZERLAND.—Wanted, an English qualified Assistant, with Continental experience and speaking French. Send particulars as to age, salary, and copy of references, together with photo, to the British and American Pharmacy, H. Masset, Lausanne.

TEIGNMOUTH.—Reliable Assistant wanted by September 27 (outdoors) in Light Retail and Dispensing business. Please give usual particulars as to age, experience, and salary required, to Dring, Teignmouth.

WEYMOUTH.—Wanted, at once, for short period only, young gentleman with good knowledge of Amateur Photographic business, Developing and Printing, etc.; easy hours; suit one wanting holiday. State salary (weekly, indoors) and all particulars in first letter, say if now disengaged. Cole, Chemist, Weymouth.

WORCESTER.—Competent Assistant required as Dispenser; state age, height, references, salary required, and enclose photo. Apply, Anderson & Virgo, Chemists, Worcester.

ASSISTANT wanted (age about 21) by end of September for good-class business; one with knowledge of Photography preferred. Full particulars as to salary required, experience, etc., to Sydney Smith & Sons, Kirkdale, Sydenham, S.E.

ASSISTANT, qualified, for South Africa; Major or Minor qualification; aged about 26; 3 years' agreement; passage paid. Apply, by letter with all particulars, to Durant, Radford & Co., Ltd., 5-6 Billiter Avenue, London, E.C.

CAPABLE Assistant required; accustomed to high-class Retail and Dispensing business; indoors; two kept; age about 23. Please send full particulars and enclose photo, or apply personally, P. Stacey, Pharmaceutical Chemist, Teddington, S.W.

ELDERLY Assistant wanted, qualified, for a Light Retail and Dispensing business; easy hours; light duties. Apply, giving full particulars, to "M. J. B.," c/o Messrs. Southall Bros. & Barclay, Birmingham.

IMMEDIATELY; smart Junior for Light Dispensing and Retail business, with knowledge of Photography. Apply personally, or enclose photo, stating age, height, references, and salary required (indoors), W. A. Sinclair, King's Parade, Church End, Finchley.

LEWIS & BURROWS have a vacancy for a first-class unqualified Assistant for the West-end. If application is made by letter, kindly enclose full particulars and photograph to 146 Holborn Bars, E.C.

MANAGER required for London Suburban business; must be up-to-date and able to meet competition; salary and share of profits. Please state full particulars, enclosing photograph, to "C. K." (189/37), Office of this Paper.

MANAGER, with view to succession on easy terms; one accustomed to Store trade preferred, to work up neglected branch business; exceptional opportunity to energetic man of exemplary character. Apply, with references and particulars, 195/1, Office of this Paper.

MANAGER wanted for London North; age about 25; married; good Prescriber essential; good salary and house to man who can supply undeniable references. Please apply, with full particulars, to W. A. McCarthy, 50 High Street, Grays, Essex.

MANAGER for branch; to live on premises; convenient house; married; age about 35; knowledge of Photography and Optics; good Dispensing and Counter experience essential; must be smart and of good appearance, with exceptional references; state fullest particulars; interview if possible. Stringer, Chemist, Kingston-on-Thames.

MANAGER wanted, East-end; qualified; indoors or outdoors; good salary. Apply, "F. W. A.," c/o Wright, Layman & Umney, 48 Southwark Street, S.E.

MANAGING Assistant (married) required for a high-class Dispensing business in a residential town in West of England, to take charge of and reside at branch establishment, where one other qualified Assistant is employed. Apply, stating age, experience, references, and enclosing photo, to "Pharmacist," c/o Messrs. Wright, Layman, & Umney, 48 Southwark Street.

QUALIFIED Branch Manager, of gentlemanly appearance, wanted at once; must have enterprise and Store experience, and whose references must bear the strictest investigation. Apply, stating age, salary required, and full particulars of experience, to 194/19, Office of this Paper.

QUALIFIED Manager or Locum for branch; lock-up shop; close at 1.30 Thursdays; no Sunday duty. State salary required and full particulars, enclosing photo if possible, D. E. Davies, Chemist, Treorchy, Glamorganshire.

QUALIFIED Assistant wanted immediately; must have good recent references and be a good Counterman. Apply, with photo and full particulars, stating salary, outdoors, to Parson C. Baker, 174-Victoria Street, S.W.

SURGEON'S Dispensing.—Wanted, about September 20, qualified Locum for fortnight. Full particulars to Smith, 52 Alexandra Road, Lowestoft.

UNQUALIFIED Assistant, indoors, required for Light Retail and Dispensing business. Apply, with usual particulars, to "Dispenser" (194/27), Office of this Paper.

UNQUALIFIED Junior Assistant required at once; must be used to Store trade; highest references indispensable. Apply, personally, "R. H.," 75 Portway, West Ham, E.

WANTED, in a lovely country town in Devon, qualified man to take charge of widow's business as figurehead; comfortable home to be more appreciated than a big salary. 190/40, Office of this Paper.

WANTED, for the winter season (October-May), a qualified English Chemist. Please give age, height, references, salary (in or out doors), and photo to Tassarotti, Chemist, Bordighera, Italy.

WANTED, for first-class business at seaside resort near London, energetic and trustworthy Manager; very comfortable berth. State age, experience, whether married, and references, 193/25, Office of this Paper.

WANTED, smart Junior Assistant, in about a month to five weeks; knowledge of Photographic goods; easy hours; no Sunday duty, and weekly half-holiday. Reply, giving particulars, age, height, salary, and enclosing photo, to "C. C." (194/25), Office of this Paper.

WANTED, Junior or Improver; indoors; £30; abstainer; accurate Dispenser; knowledge of Photography. J. H. Smith, "The Pharmacy," Moreton-in-Marsh.

HERE'S A CHANCE FOR BOTH SEXES!!!—Sanitary Inspectors—School Nurses—Lady Health Visitors. £100-£350. All those desiring change should qualify for above appointments; postal course of lessons now commencing for examinations in London and Provinces, Scotland, Ireland, and Colonies; 450 successful candidates; fully half had no previous sanitary knowledge; fee 25s. Mushens, Sanitary Experts, Sunderland.

WHOLESALE.

ADVERTISING.—Literary and Publication Department of a large private firm in London requires the services of a gentleman about 30 years of age, with first-rate experience and good literary ability, to prepare for and see through the press technical printed matter; good Medical and Pharmaceutical knowledge essential; applications only considered from those stating full details of experience and previous positions; together with age and salary required. Reply to "A. L." (157/21), Office of this Paper.

LADY (qualified) required by London Wholesale Druggist, to take charge of Packed Goods department. Apply, by letter, to "Druggist" (160/12), Office of this Paper.

LONDON Wholesale house has vacancy for Assistant Counterman in Sundries department. Apply, giving full particulars, 190/8, Office of this Paper.

REPRESENTATIVES required, already calling on country. Chemists and Grocers, open for extra line; 15 per cent. commission. Reply, making appointment, Denalbo Tooth-powder Company, 28 Martin's Lane, Cannon Street, E.C.

SMART Representatives already handling other goods wanted for very strong commission line in Glucs, etc. State lines already represented and territory worked, Box No. V.W. 22, Dawson's Advertising Offices, Cannon Street, E.C.

TRAVELLERS with guaranteed connection among Chemists and Hairdressers for paying Side-line; commission only. Reply, "Skin Specific," Box 901, Smith's Advertising Agency, 100 Fleet Street, London.

WANTED, for London Wholesale house, an Assistant, about 25, who has had a good all-round experience of the Export trade in Sundries and Instruments. State full particulars and salary required to 157/48, Office of this Paper.

WANTED, youth with experience of Pearl-coating; state full particulars, references, and salary required. Apply, "Arabic" (157/34), Office of this Paper.

WANTED, Traveller to carry a new line of 5½d. Safety Razor as a side-line for Chemists, Cutlers, etc. Address, Amconco Co., 19 St. Bride Street, E.C.

WANTED, a young man capable of taking charge of Gardner's Powder Sifting and Mixing Machinery; previous experience with similar machinery and a knowledge of Face and Toilet Powder preparations required. Apply, in writing, giving age, wages, and experience, to 191/23, Office of this Paper.

SITUATIONS WANTED

(Colonial, Indian, and Foreign).

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

CONTINENT.—Young qualified Englishman desires situation on the Continent; best-class experience. Apply, 190/24, Office of this Paper.

CONTINENT; season or permanency; qualified; undeniable references. Stephens, 131 Killigrew Road, Falmouth.

QUALIFIED seeks Continental experience; good dispensing experience; excellent references. 195/34, Office of this Paper.

SMART, unqualified Assistant (21), good all-round experience, desires situation abroad; Australia preferred; disengaged. Apply, "Salol," 46 Lightfoot Street, Chester.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid.

[HOME.] RETAIL.

QUALIFIED; 30; from 14th. "Dispenser," Radcliffe Infirmary, Oxford.

LOCUM or permanency; qualified; Dispensing, Counter; best experience. McCarthy, Calder Street, Blackburn.

JUNIOR; 22; 5½ years' Counter, Dispensing; good experience. "Rhei," 28 Empress Road, Kensington, Liverpool.

LADY Dispenser; Hall qualification; Institution or Doctor; references. E. Prierson, 43 Castle Street, Dumfries.

JUNIOR; 22; good all-round experience; disengaged middle October; time for study. 187/18, Office of this Paper.

MANCHESTER or District.—Assistant or Dispenser; 25; unqualified; Photographic. Apply, 191/12, Office of this Paper.

ASSISTANT; West-end experience; unqualified; in best-class Dispensing business; London only. "R.," 32 South Road, Kirkby Stephen.

DISPENSER to Doctor or Institution seeks engagement; excellent testimonials; 9½ years' experience. "P. G. B.," Provident Dispensary, Coventry.

QUALIFIED; 25; best Dispensing and all-round experience; out-doors; disengaged; permanency preferred. H. G. Johnson, 36 Large's Street, Derby.

QUALIFIED; 24; Dispensing, Photographic, and General experience; excellent references; able take charge. "Helmitol" (190/12), Office of this Paper.

ASSISTANT; good all-round experience; capable of taking charge; Locum or permanency; disengaged 18th. Campbell, 6 Upper Hill Street, Wisbech.

QUALIFIED; 22; disengaged; abstainer; Locum or permanency; good Dispensing and Photographic experience. "Epicarin," 189 Wavertree Road, Liverpool.

ASSISTANT; 22; unqualified; good Dispensing, Counter, and Photographic experience; London preferred. Callow, o/o Geo. Crawford, Chemist, Horley, Surrey.

NORTH.—Part-time; near school; recommended; Dispensing, Photography, and Counter; aged 21. G. Walkinshaw, 40 Stanley Road, Barrow-in-Furness.

SITUATIONS WANTED *(continued).*

EVENING work, after 6; qualified; experienced. "Dispenser," 116a New Kent Road, S.E.

JUNIOR; 20; 4 years' experience; good Counterman; disengaged. Harlow, Station Parade, Harrogate.

JUNIOR or Improver; good country experience, some Dispensing; disengaged. Harris, Cottenham, Cambs.

ASSISTANT; 20; excellent references; abstainer; good all-round experience. 191/11, Office of this Paper.

35/- weekly (outdoors); unqualified; 24; tall; experienced. "Bromide," 71 Bath Street, Rugby.

DISENGAGED 11.30 to 5.30 daily; Chemists or Surgeons, or good Agency; London. 191/15, Office of this Paper.

M.P.S., F.S.M.C.; 22; evening situation; London. "Dental Student," c/o Maw, Aldersgate Street.

ELDERLY Chemist desires temporary Locum work; reliable; abstemious. Edgson, Belgrave Square, Nottingham.

JOHAN PYE, late of Josephine Avenue, will be disengaged after September 11. 62 Lynette Avenue, Clapham Common.

MANAGER; 25; qualified; Optical; well recommended; view to succession or Partnership. 191/1, Office of this Paper.

MANAGER; registered Chemist and Druggist; middle age; disengaged. "M.P.S.," 31 Cambridge Road, Sidcup, S.E.

QUALIFIED man wants berth; aged 30; single; experienced; good references. "Pharmacist," 2 Atney Road, Putney, S.W.

QUALIFIED; 25; high-class Dispensing and Counter experience; disengaged September 20. T. W. Bolton, 22 Hills Road, Cambridge.

UNQUALIFIED; 27; capable branch management; Locum, permanency; disengaged October 4. Poole, Temperance Hotel, William Street, Heme Bay.

IN large town with opportunity for attending classes; Junior; 21; indoors; Dispensing, Counter, and Photography; capable; tall. Strawson, Pharmacy, Bishop's Castle.

DISPENSER (lady); qualified; Institution or Doctor in London; knowledge of bookkeeping; one year's experience. Miss Johnston, The Croft, Tivetshall, Norfolk.

MANAGER; qualified; total abstainer; experienced; good salary expected for good work. Address, "Shamrock," c/o Evans Lescher & Webb, Hanover Street, Liverpool.

DISENGAGED October 4; Manager, Locum, or permanent; thoroughly experienced and reliable; highest references. "B.," c/o Messrs. Woolley, Sons & Co., Ltd., Manchester.

QUALIFIED, excellent experience, middle-aged, sold own London business; is open to accept nominal salary with free house, within 50 miles London; highest references. 191/17, Office of this Paper.

COMPETENT, trustworthy, practical business man; married; good Dispenser, Prescriber, Salesman; City and Suburban experience; well recommended. Forster, 5 Coleridge Road, Finsbury Park, N.

NOTTINGHAM (or near).—Locum or permanency; excellent Prescriber; good all-round and long experience; first-class references; would travel. Address, "Terebenum," c/o 217a Ilkeston Road, Nottingham.

ASSISTANT; situation wanted; Belfast or Dublin preferred; used to first-class Counter trade, with Dispensing and Photography; good references; tall; smart Salesman, good Window-dresser. Apply, "Study," c/o Blair & Son, Chemists, Cork.

EXPERIENCED, unqualified Assistant; competent and reliable; outdoors; quick and accurate Dispenser, Prescriber, Stock-keeper, Photographer; capable of taking charge; smart and gentlemanly; well recommended; aged 24. "H. M.," 8 Richmond Terrace, Richmond Road, East Twickenham, S.W.

JUNIOR or Improver; 18; Manchester preferred. Ingham, 122 Burnley Road, Todmorden.

LOCUM or permanency; qualified; disengaged 14th inst. "Rhei," 34 Ellingham Road, Shepherd's Bush.

EXPERIENCED Locum; qualified; 29; disengaged October 1. "L.," c/o Day, Chemist, Knarsboro.

DOCTOR'S Dispenser; Bookkeeper; requires permanent berth; unqualified. "R.," 11 Duckett Road, Harringay.

DISENGAGED; competent; unqualified; permanency; excellent references; 28. Wild, Audley Road, Colchester.

QUALIFIED; experienced; young; disengaged. Address, "Pharmacist," 25 Mayflower Road, Clapham, S.W.

DISPENSER; Bookkeeper; experienced; reliable; references; abstainer; moderate salary. 191/02, Office of this Paper.

BRANCH Manager; qualified; middle-aged; exceptional references. "A. L.," 105 Elswick Road, Newcastle-on-Tyne.

DISENGAGED September 20, for Locum or short permanency; best references. Apply, Follows, M.P.S., Tunstall, Staffs.

DISENGAGED; good-class country experience; unqualified; abstainer; neat worker. Vawser, 15 High Street, Grantham.

UNQUALIFIED; 32; Photographic; 19 years' experience; good references. Blackley, 73 Commercial Street, Newport (Mon.).

TEMPORARY or permanency; qualified; reliable; competent; highly recommended. "Locum," 542 High Road, Leytonstone.

ASSISTANT, unqualified, aged 27, desires engagement; good Dispenser and Counter hand. "G. D.," Cavendish, Dalton-in-Furness.

CHEMIST'S Son (17) seeks situation as Improver; indoors; 18 months in science laboratories; Photography. Apply, 191/21, Office of this Paper.

UNQUALIFIED; 24; 5 ft. 7 in.; Extractor, good experience Dispensing and Photographic. Address, "Rhei," 109 Wellington Road South, Stockport.

UNQUALIFIED; 22; Dispensing; Photography; disengaged October 1; outdoors; large town preferred. E. H. Stutely, 36 Church Street, Cromer.

PHARMACIST; 34; single; just concluded 3½ years' managership in City; would like to hear of similar post; references. "X.," (191/35), Office of this Paper.

ASSISTANT; unqualified; experienced; accustomed to modern trade; abstainer; disengaged September 11. Innes, 10 Roseneath Road, Clapham Common.

DISENGAGED; recently qualified Assistant; 28; married; first-class experience; speaks French. Apply, "Pharmacist," c/o Rickard, Newsagent, New Park Road, S.W.

QUALIFIED Assistant (outdoors) or Locum; disengaged; aged 38; tall; town and country experience (first class). "Veronal," 47 St. Mary's Terrace, West Hill, Hastings.

DISPENSER (lady), qualified, wishes appointment with doctor or institution; experienced, reliable; bookkeeping; knowledge of nursing. 194/32, Office of this Paper.

ASSISTANT; 36; well up in Dispensing, Counter, and Photo trade; London and Provincial experience; energetic; unqualified. "Statim," c/o J. Gibbs, Sourhall, Todmorden, Lancs.

ENGAGEMENT wanted for tall, well-educated youth, aged 19 (Pharmaceutical Society's student, keen on business, and having some knowledge of a Chemist's, also well advanced in Chemistry and Botany), in a first-class Dispensing business where a thorough training in all branches could be relied on. Hornblow, 23 Hamilton Road, Reading.

PART-TIME; disengaged morning, evenings; qualified; London experience. 196/8, Office of this Paper.

LOCUM; qualified; 33; experienced; good reference. Apply, "A. B. C." (192/24), Office of this Paper.

DISENGAGED, unqualified, wants work; 38; 15 years London stores. Fletcher, Leeland Road, West Ealing, W.

QUALIFIED; 27; 12 years' experience West End and provincial; excellent references. 192/25, Office of this Paper.

PART-TIME; unqualified; 30; experienced; disengaged October 1; outdoors. "Metol" (193/28), Office of this Paper.

QUALIFIED; 26; highest references; North of England preferred. "Pharmacist" (194/8), Office of this Paper.

PART-TIME; evenings; Saturdays; Dispensing relief; experienced; references. "D." 10 Norfolk Road, Horsham.

EXPERIENCED Locum; disengaged; town or country; highest references. "Chemist," 33 Seaford Road, West Ealing.

SMART Assistant; disengaged; part-time or 9 to 6 P.M.; salary moderate; references. Apply, 196/2, Office of this Paper.

MANAGER; qualified; experienced; best reference; disengaged September 11. "M.P.S.," 433 King's Road, Chelsea, S.W.

MANAGER; qualified; expert Prescriber; elderly; salary. "Faithfull," 53 Dersingham Avenue, Manor Park, London.

FREE after this week; Assistant or Manager; unqualified; 33; good references. "Sticker" (193/29), Office of this Paper.

ASSISTANT; West-end and Store experience; outdoors; or Dispenser; disengaged. "H. G.," 6 Willow Avenue, Barnes, S.W.

DISENGAGED September 16; Locum or permanent; excellent Prescriber and Counterman. "W. F.," 132 Hampstead Road, N.W.

LOCUM; Dispenser for a fortnight from September 27 next; Institution, Doctor or Chemist; reliable. 193/15, Office of this Paper.

QUALIFIED; 25; abstainer; eight years' experience; best references; South Wales preferred. "Salicin" (194/6), Office of this Paper.

MANAGER; qualified; 16 years' experience; permanency; married; good references. Apply, "Chemists" (192/42), Office of this Paper.

UNQUALIFIED; 24; tall; 9 years Dispenser, Counter, Window-dresser, Prescriber, Photography; good references. 192/22, Office of this Paper.

QUALIFIED; 26; West End and South Coast experience; excellent references; good Dispenser. "H. S.," 11 Southover Road, Bognor, Sussex.

DISPENSER to Surgeon wanted (male, unmarried); S.E. district; terms, 39s. weekly, rooms, coal, gas, and attendance. Apply, by letter, 192/12, Office of this Paper.

MANAGER, qualified, desires engagement October; experienced in good-class Dispensing business; please state salary, with house. 192/19, Office of this Paper.

PART-TIME; Student; 36; accustomed to Dispensing, Counter, and Photo trade; energetic; unqualified. "Statim," c/o Mr. J. Gibbs, Sourhall, Todmorden, Lancs.

UNQUALIFIED; married; 33 accustomed to quick Retail and Dispensing; highest references; 17 years' experience; North preferred. 192/40, Office of this Paper.

OUTDOORS; reliable, energetic Assistant; middle-aged; single; abstainer; good-class country business; all-round experience; well recommended. "Ferri," 19 Chapel Street, Uxbridge, Middlesex.

UNQUALIFIED Assistant; 28; single; competent and reliable; excellent references; best City and West-end experience; Locum or permanent. Nicholson, c/o Mr. White, Chemist, Beaconsfield, Bucks.

ADVERTISER would like to hear from good private firm requiring someone for a position of trust; qualified; tall; of good appearance; valuable experience; capable and energetic. "A. B." (195/27), Office of this Paper.

DISENGAGED; part-time or Dispenser; 23; abstainer. "J.," 132 Riverdale Road, Plumstead.

DISENGAGED; unqualified; several years' experience. R. M. Lelian, 11 Princess Road, Leicester.

PORTER; accustomed to a Chemist's business. "H. E.," 82 Field Road, South Kensington.

ASSISTANT, Locum, or Dispenser; good experience; disengaged. "Ronald," 125 Falcon Road, Battersea, S.W.

LOCUM; qualified; reliable; disengaged September 22. Holme, Manor House, Yardley Hastings, Northampton.

DISPENSER (lady); disengaged; qualified; good testimonials, A. Failsworth, Stafford Place, Weston-super-Mare.

ASSISTANT, Locum, temporary, part-time; Dispenser; Extractor; unqualified; shortly disengaged. 196/13, Office of this Paper.

ALL-ROUND Assistant and Stockkeeper; disengaged; suit small Wholesale; City references. 195/30, Office of this Paper.

ASSISTANT; 26; Counter preferred; Window-dresser; Photography; good reference. "Allen," 65 Scholars Road, Balham.

UNQUALIFIED; 29; all-round experience; Photography, window-dresser; permanency. "Rhei," 12 Cresswell Terrace, Neath.

QUALIFIED Lady Pharmacist requires Retail post immediately; London district preferred. "K.," 21 Edith Road, West Kensington.

LONDON preferred; temporary or permanent; qualified; 20 years' experience; Photo. "Statim," 63 Mossbury Road, Lavender Hill, S.W.

ASSISTANT; 30; unqualified; good Counterman; long West-end experience; disengaged. "Counterman" (196/25), Office of this Paper.

ASSISTANT or Branch Manager (27), best all-round experience, desires good situation; outdoors. Haigh, c/o Spurr, Folly, Hall, Huddersfield.

UNQUALIFIED; London and country experience; Photography; South preferred; outdoors; good references; disengaged. Wood, 21 Ansell Road, Dorking.

LADY wishes situation; Minor qualification; 8 years' retail experience; good references. Apply, "M.P.S.," c/o Orr, 8 High-holm Street, Port Glasgow, N.B.

QUALIFIED Pharmacist-Optician (F.S.N.C.) desires position as Manager; all-round experience; Photography; aged 27. "Oculus" (196/33), Office of this Paper.

EXPERIENCED; 14 years in last situation; aged 39; unqualified; has managed various branches; other good references. "W. G. S.," Victoria Chambers, Paignton.

VOLUNTEER, Swiss, speaking French, German, and fair English, desires situation in Retail or Wholesale; 5 years' experience. Apply, 196/201, Office of this Paper.

ASSISTANT or **MANAGER**; unqualified; excellent Counterman; thoroughly experienced all branches; aged 27; height 5 ft. 7 in. "Rhei," c/o Jenkins, Chemist, Pentre, Glamorganshire.

MANAGER; London; outdoors; City or North-East preferred; Major qualification; thoroughly experienced; practical Photography, all branches. "M.," 39 Theobald Road, Leyton, N.E.

YOUNG man; 22; smart and obliging; good knowledge, General, Retail, and Photographic; 6 years' reference; 12 months' Counter; low salary; London preferred. 196/36, Office of this Paper.

QUALIFIED Manager or Assistant; good-class Dispensing, Counter, and Prescribing experience; Extractor; married; Bath or Bristol preferred; disengaged. Furber, 8 Abbey View, Bath.

YOUNG Gentleman requires permanency in Photographic Chemist's; unqualified; no previous experience; good knowledge professional Photography; seaside; country preferred. 1 Ashfield Road, Finsbury Park, N.

SITUATIONS WANTED—cont.

ASSISTANT; 32; Agricultural, Dispensing, Photographic; unqualified. "Guaiacol," 87 Grange Street, Burton-on-Trent.

UNQUALIFIED; London Store experience; disengaged shortly; Extractor. "Locum," 146 Philip Street, Newcastle-on-Tyne.

AS Manager, Liverpool or Manchester district preferred, Dispensing, Photographic, good all-round experience, highest references, seeks a change; qualified. 180/18, Office of this Paper.

MANAGER; thoroughly competent; Major qualification; abstainer; married; unexceptionable references; reasonable salary expected. Address, H. Hamilton, 26 Clarence Road, Seacombe.

TO the Medical Profession and Chemists.—Bookkeeper, competent, certified, desires spare-time appointments; thorough knowledge of trade. Apply, 184/39, Office of this Paper.

QUALIFIED Manager (38) desires change; varied experience; excellent references; 9 years present situation; salary £200, or equivalent. Address, 190/31, Office of this Paper.

ASSISTANT; accustomed to good-class Retail, Dispensing, and Photographic trade; highest references; tall; 27; unqualified. 18 Rectory Road, Sutton Coldfield, near Birmingham.

ASSISTANT; 26; unqualified; 9 years' experience, Dispensing, Photography; abstainer; married; permanency; disengaged; references. W. A. Blakeley, Dodsworth Hill, Normanton.

MANAGER; Minor; married; aged 40; height 5-ft. 11 in.; good experience, Dispensing, Prescribing, Photographic, and Counter trade; permanency. 189/36, Office of this Paper.

DISENGAGED September 20; unqualified; married; would travel; country preferred; all-round experience, including Photography; good references. 7 Vine Street, Norton, Malton, Yorks.

ASSISTANT; Branch Manager; reliable; experienced; Counter; Dispensing; Prescribing; excellent recent reference; 31; tall; abstainer; married; unqualified; moderate salary. 191/20, Office of this Paper.

ASSISTANT; 36; tall; unqualified; exceptional experience in Dispensing, Prescribing, Counter, with some Photography; four years last berth; permanency preferred. "Capable" (194/39), Office of this Paper.

WHOLESALE.

TRAVELLER; shortly disengaged; over 12 years' connection amongst best buyers; Lancashire and the North; highest references. 192/31, Office of this Paper.

WAREHOUSEMAN or **Packer**; used to the general trade. White, 26 Comyn Road, Clapham Junction.

AS Traveller; Yorkshire; Druggists' Sundries, Drugs, Perfumes, Soaps, or Specialities; connection. 193/37, Office of this Paper.

CHEMIST; extensive practical experience; Laboratory, Specialties, or Warehouse; able worker; efficient organiser. 192/26, Office of this Paper.

WET Counter; young man requires situation; good experience; 8 years in West-end house. "H. D.," 147 Arlington Road, Camden Town, N.W.

YOUNG lady requires situation as Stockkeeper with Wholesale Chemist; used to putting up Chemists' Sundries, etc.; excellent references. Address, 195/26, Office of this Paper.

DRUGGIST'S Assistant and **Stockkeeper**, 6 years' experience, French, German, and fair English, requires situation in Wholesale or Export. Apply, 196/21, Office of this Paper.

TRAVELLER; Drugs or Sundries; aged 30; gentlemanly presence and good address; highest references; personal interview any time; disengaged. "Hustler" (196/26), Office of this Paper.

ADVERTISER (32), 5 years' practical experience in manufacture of essences, floral ottos, and toilet-articles, desires situation; 12 years' first-class trade references. 195/32, Office of this Paper.

REPRESENTATIVE, with Major qualification, speaking French, Italian, and Arabic, seeks re-engagement; 10 years' travelling experience in Europe, North Africa, and the East. 195/31, Office of this Paper.

TRAVELLER; commission; part expenses; Drugs; 10 years' continuous connection one firm; South England, Wales; first-class houses with connection only please apply. "Statim" (195/28), Office of this paper.

LADY requires responsible post; 10 years' experience, Wholesale and Retail; good references; energetic; last 4½ years in Wholesale London firm; disengaged September 20. "L. E.," 46 Pembury Road, Tottenham, N.

ASSISTANT; 25; Wholesale; disengaged; Wet, Dry, Chemical, or Sundries Departments; used to large, quick Colonial and Continental Export trade; 3 years' reference. E. S. Norrie, 176a Queen's Road, Blythsea. (Mark envelope "Codeine.")

GENTLEMAN (36), 12 years' all-round Drug-trade experience, desires to represent Wholesale House on salary; commission; accustomed interviewing; 4½ years' prominent Insurance Company; disengaged; good references. "B.," 33 Napier Road, Isleworth.

TRAVELLER, with Pharmaceutical and Commercial training, well introduced, and possessing good connection, is open to make sales and promote general interests of an important house of standing, drug or allied trades. Apply, 193/14, Office of this Paper.

REPRESENTATIVE, gentleman, active, adaptable, good appearance, with 30 years' experience in Drug Trade, seeks appointment on the road with drugs, sundries, or good specials; state territory (Kent to Cornwall preferred); terms and all particulars in first letter. "Aptitude" (192/11), Office of this Paper.

TRAVELLER, with good old-established connection with Chemists, Stores, etc., on South and South-West ground, is open to Represent any good house with Speciality or any line except Drugs, on terms of commission and part expenses; ground worked regularly for last 12 years; exceptional references. Apply, 191/8, Office of this Paper.

EXPERIENCED Manufacturing Chemist wants post; used to controlling processes, staffs; practical man; Pharmaceutical, Toilet, Polishes, Disinfectants, Food Products, Preserves; has served respectively as works manager, factory manager, laboratory manager, foreman; moderate ideas; unqualified; capable organiser; aged 33. "F.," 15 Thane Villas, N.

ADVERTISER (married, 32) wishes shortly to attach to first-class house as Representative, where previous travelling experience amongst Doctors and Chemists and thorough pharmaceutical training would count; known Midlands and North; capability, education, address, integrity; highest references and antecedents; salary anticipated £150. Address, "Corbynite" (194/36), Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, 30 Tranquil Vale, Blackheath, S.E. Telephone 81a Lee Green.

SHARES FOR SALE (free of commission, subject).—100 Aramayo Francke Ordinary (bismuth importers), 24s. 7½d.; 100 Allen & Hanburys "A" 6 per cent. Prefs. 25s. 4½d. c.d.; 100 "B" 6 per cent. Prefs. 24s. 9d. c.d.; 50 Camwall Prefs., 6s. 10½d.; 250 J. C. & J. Field 7 per cent. Prefs., 11s. 9d.; 20 Evans Lescher Prefs., 45s. 5s. c.d.; 100 Idris "A" Ordinary 3s. 9d.; 300 "A" Prefs. 5s. 9d.; £132 Debutentes, £67 10s. per cent. c.d.; 100 Quinine Bitters, 10s. 1½d. (10 per cent. dividend paid this year; next due October).

WANTED (subject).—100 Meggeson Ordinary, 16s.
List of shares for sale and wanted sent free on application. Bankers, London County and Westminster. Established 1898.

CHEAP SECOND-HAND FITTINGS, BOTTLES, ETC.—12 20-oz. blue syrup bottles, plug stoppers and gold labelled, 12s.; 12 2-lb. blue ung. jars, gold labelled, useful names. 22s.; 12 ditto pink-tone top, 28s.; 1 6-ft. bevelled mirror-centre dispensing-screen (very fine), 45s.; 1 3-ft. bent-glass front counter-case, 40s.; 12-ft. range of drug-drawers, gold labelled and glass knobs, 46s.; 144 shop-rouds, gold labelled, 45 15s.; 6-ft. bent-front counter-case, 44 15s.; set of plate-glass window shelves, with tapped bars and brackets, 30s.; set of ditto, 6 ft. long, 63s.; handsome globe lamp, 60s. R. TOMLINSON & SONS, Headquarters for Chemists' Shopfittings, Bond Street (Cable Tram Route), Birmingham.

TO APPRENTICES, JUNIORS, ETC.—If you wish to pass the Preliminary quickly and with little trouble, write to Mr. Charles Harker, who will coach you by post; thorough systematic teaching; numerous successes in 3 and 6 months; special attention given to those of neglected education; 85 per cent. recent successes; terms very moderate. Charles Harker, 239 Chapter Road, Cricklewood, London, N.W.

COMPLETE FITTINGS FOR SHOP.—In excellent condition; as good as new; 12-ft. drug fitting, 6-ft. wall-case, 6-ft. screen and counter, 8-ft. serving-counter, perfume-case and desk; £30 the lot; a great bargain. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

MISCELLANEOUS.

PRINTING FOR CHEMISTS.—Billheads, memos, cards, from 1,000 3s. 9d., 100 1s.; handbills from 10,000 11s. 6d., 1,000 2s. 8d.; large reductions for assortments; gum-labels, all kinds, wrappers, etc.; best work; new type and new machinery; quotations, samples free; it will pay you; established 1895; references given; terms cash. WALTER KNIGHT, Printer, Rushden, Northants.

WE HAVE WHAT YOU REQUIRE, Drug Fittings, Counters, Wall-cases, Dispensing-screens, Perfume-cases, etc., in almost all sizes; second-hand; condition first-class; prices reasonable. Write for sketches and details giving approximate sizes, or call and inspect. RUDDUCK & CO., 262 OLD STREET, E.C.

PROFESSIONAL PRELIMINARY EXAMINATION.—For most rapid and successful preparation (Correspondence or Oral) join the U.K.C. (United Kingdom College), Lavender Hill, London, S.W. 5,500 successes. All papers corrected by specialists. Work in each subject graded to suit individual requirements. Special attention given to weak subjects. Special terms quoted to those mentioning this paper. Apply Principal, U.K.C., Lavender Hill, London, S.W.

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TERMS.—One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No Advertisement inserted for less than 6d.

FOR DISPOSAL

BOOKS AND PERIODICALS.

BOOKS.—Attfield's "Chemistry," almost new, 6s. 6d.; Newth's "Chemistry," 3s.; Wills' "Prescription-reading," 4s.; "Pharmacopodia," 4s. 6d.; Vinc's "Botany," 3s.; or offers. 189/3, Office of this Paper.

DENTAL.

DENTAL.—For sale, handsome show-case, with specimens. Apply, FREW, Chemist, Dingwall.

DRUGS AND CHEMICALS.

1 CWT. cask pulv. cupri sulph. (pure); what offers, carr. forward? MILLER, Chemist, Bognor.

FORMULÆ.

EMBROCATION; guaranteed inseparable; costs 1s. 4d. gallon; unique formula; sells well. 194/34, Office of this Paper.
"SOLD 20 boxes, 1s. each, cold-in-the-head pills; simple yet effective," writes Pharmaceutical Chemist; 2s. 6d. buys formula. 90 Eton Road, Burton-on-Trent.

OPTICAL AND PHOTOGRAPHIC.

FOR sale, Premo Junior camera, 3½ by 2½; in perfect order; what offers? MILLER, Chemist, Bognor.
ONE Hana bromide printing machine; unused; see Houghton's list for description; what offers? would entertain exchange anything useful in amateur's engineering tools, etc. DAVIES, Newport, Pem.

PROPRIETARY ARTICLES.

MOONSEED bitters; can supply 2s. 9d. and 4s. 6d. sizes at lowest prices. SHAWYER, Swindon, Wiltshire.
FOURTEEN 1s. 1½d. Nature's ointment; 6 1s. 1½d. Nature's pills; what offers? PILLING, 192 Hyde Road, Manchester.

SHARES.

SHARES for Sale. See p. 70.

SHOP FITTINGS.

SECOND-HAND drug-drawers for sale; also doorway showcase. Offers, CROUCH, 47 Gresham Street, E.C.
SIX-GALLON swan-neck earboy; York glass; perfect condition; free package carriage forward; offers. APOTHECARIES' Co., 34 Virginia Street, Glasgow.

MISCELLANEOUS.

MAW'S 4 by 3 water-bed; good condition; what offers? WALDER, 19 Dingwall Road, Croydon.
FOR sale,—2 Richmond's gas-steam radiators, 6 coils and 12 coils respectively; almost new; cost £7; price £3 10s. on rail. 189/38, Office of this Paper.
PAIR Marion's rectilinear ½-plate lenses, 12s. 6d.; enameller, 12-in. gas, 10s.; pair 25-gal N.O. cylinders, 7s. 6d.; medical battery, Schull, 10s.; 96 tins mustard-leaves, 7s. 6d.; set metric weights, 10s.; "Secret Remedies," B. M. A., 1s. free. HICKMAN, 5 Abbotts Road, Southall.

WANTED.

DISPENSING-SCREEN, complete; 2 carboys, about 30 in. high. 201 Caversham Road, Reading.
GOOD ½-plate or 5 by 4 hand camera; double extension. Offers, HILL, Reich's Apotheke, Dresden.
TWO gross 4d. tablets Oowana soap. State lowest price, EDWARDS, Chemist, Fallowfield, Manchester.
COUNTER, length 4 ft., glass-fronted doors. Lowest price, carriage paid, to 43 St. George's Place, Canterbury.
SHOP-ROUNDS, globe stoppers, recess-labels; ointment-jars, recess-labels, dome tops. 193/38, Office of this Paper.
KNEADING and mixing machine, about 2 gal. capacity. COUNTY CHEMICAL Co., Ltd., Chemico Works, Birmingham.
SECOND-HAND fittings, good condition; also B.P. and Martindale's. State price, carriage paid, 194/12, Office of this Paper.
HONEYCOMB sponges to retail at 6d. to 2s. 6d.; good gramophone or other disc records. LIVESY, Chemist, Preston.
MINOR, Major, Chemists' books.—Send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.
SECOND-HAND exhibition show-case and glass bottles suitable for chemicals. State dimensions, price, etc., to "C." (154/33), Office of this Paper.
FORMULÆ purchased; hygienic hair lotion, dye, dressing, skin-food cream, cosmetic lotion; good price. Sample to W. LEWIS, 12 Sheldon Street, London, W.
12 FT. range shelves and drawers; 10 to 12 ft. wall-case; 10 to 12 ft. mahogany counter; 6 or 7 ft. dispensing-screen, with sponge-case; doorway case, 2 ft. 8 in. wide. Particulars and prices to ALEXANDER, c/o Milne, 5 Trinity Crescent, Edinburgh.

Colonial and Foreign News.

Postcard replies will be received up to September 18.

GERMAN SPIRIT AND VINEGAR-MAKERS.—The recent advance of 10m. per hectolitre in the price of spirit on the part of the "Centrale" has seriously affected the spirit-consuming industry, especially vinegar-producers. Formerly the "Centrale" consented to grant vinegar-makers preferential terms, but the conditions under which they were granted counteracted the so-called advantages. One of the conditions is that the purchaser shall not within a given time purchase spirit from any "outsider," this clause extending to spirit not intended for the manufacture of vinegar.

RUSSIAN SULPHUR.—A company, styled the Trans-Caspian Sulphur Co., has purchased the right of working the sulphur-deposits situated on Government land at Kyrk-Chulba in the Ashkabad district. These deposits are stated to be easy of access, and the ore is said to contain a percentage of from 58 to 60 of sulphur.

SYNTHETIC REMEDIES

Boehringer, C. F., & Soehne
Boehringer, C. H., Sohn
Hoffmann-La Roche, Ltd.
Reitmeyer & Co.

SYNTHETIC PERFUMES

Boehringer, C. F., & Soehne
Bush, W. J., & Co., Ltd.
Chuit, Naef & Co.
Compagnie Morana
Murray, O., & Co., Ltd.
Reitmeyer & Co.

SYPHONS,

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Barnett & Foster
Bremitt, E., & Co., Ltd.
Camwal, Ltd.
Idris & Co., Ltd.

SYRINGE CASES

Estes, E. B., & Sons

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Chemist's Co-operative Wholesale
Fellows' Med. Mfg. Co.
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Squire & Sons

TABLETS, COMPRESSED

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Asche, C. F., & Co.
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Duncan, Flockhart & Co.
Evans Sons Lescher & Webb
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Wand Manufacturing Co.
Wander, A.

TABLOID PRODUCTS

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Harker, Stag & Morgan
Hovenden, R., & Sons, Ltd.
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Lloyd, A., & Co.
Lloyd, A. S. (Hovenden)
Lorimer & Co., Ltd.
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Pierre, Dr.
Quelch, H. C., & Co.
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Woolley, J., Sons & Co., Ltd.

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Lloyd, T. H., & Co.
Tomlinson & Hayward, Ltd.
Walker, Troke & Co.
Wand Mfg. Co.
Wilson Vet. Mngf. Co.
Young, W. F.

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Danysz Virus, Ltd.
Evans Sons Lescher & Webb, Ltd.
Farmer, F., & Co.
Harker, Stag & Morgan
Kay Bros., Ltd.
Sanford & Son

VINEGAR

Grimble & Co.

WATERS, CONCENTRATED

Chemist's Co-operative Wholesale
Robinson, B., & Co., Ltd.

WEED-KILLERS

Burt, Boulton & Haywood

Tomlinson & Hayward

WHOLESALE DRUGGISTS

Allen & Hanburys, Ltd.
Alliance Drug & Chem. Co.
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
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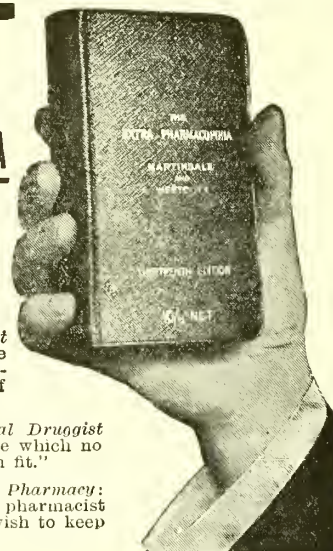
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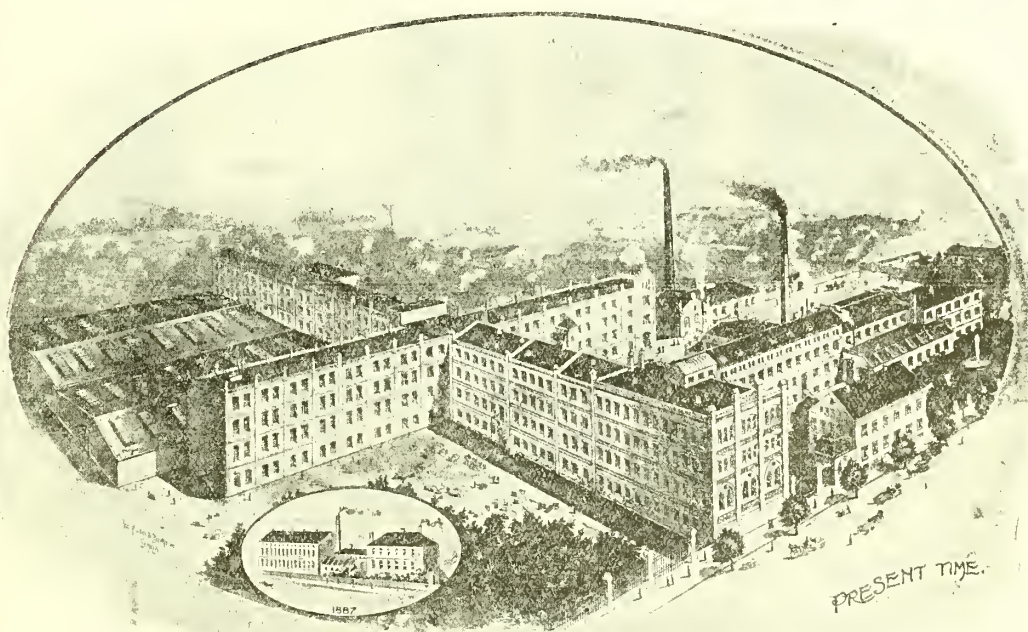
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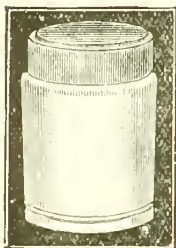


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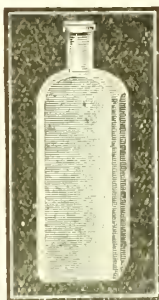
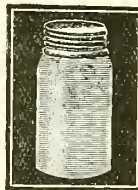
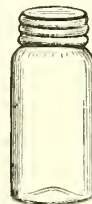


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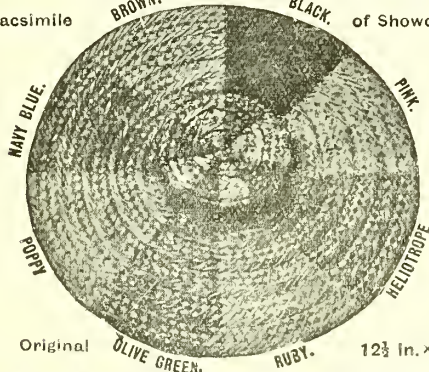
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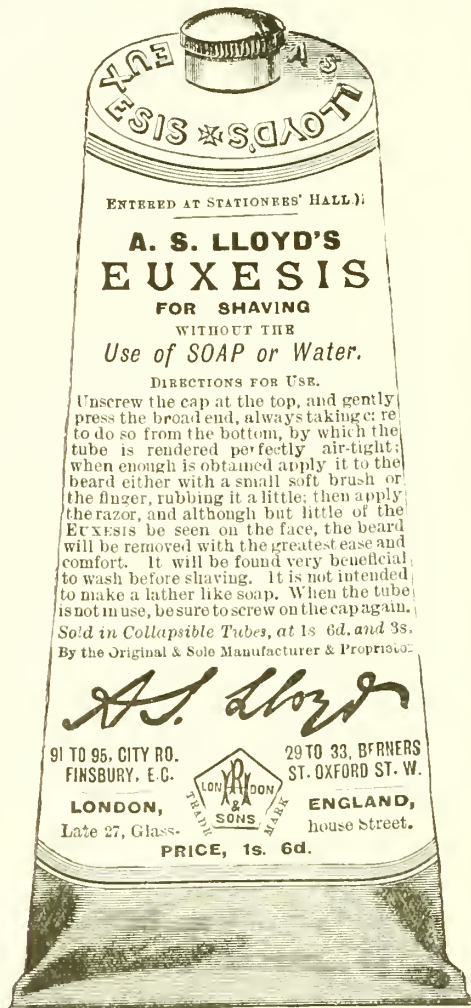
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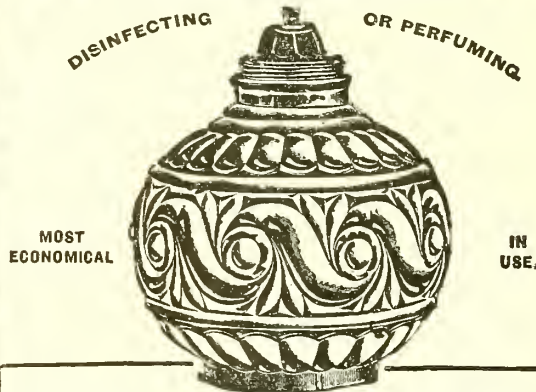
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MANUFACTURERS OF
RAW MATERIALS FOR PERFUMERY AND SCENTED SOAPS
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Larger Profits to the Retailer than
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Powdered ...

TOILET SOAP.

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Alternative, Condition, Cordial, Cough,
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THE "COMPACT" MACHINES

are specially designed for
CHEMISTS, GROCERS, RESTAURATEURS,
and everyone to whom space is an object,
and can be used for filling Syphons, Codd's
Bottles, or Cork Bottles.

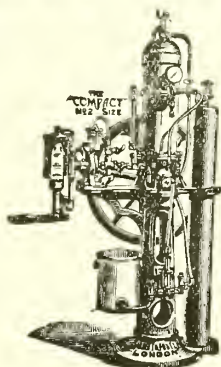
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ARE READY FOR USE IMMEDIATELY!

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Write for Catalogue.



**A COMPLETE APPARATUS—
CAPABLE OF PRODUCING OVER
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OF AERATED WATER PER DAY
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Bottles, Boxes, Essences, and all
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Lowest Prices.

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**CÉLESTINS**For Diseases of the Kidneys, Gravel,
Gout, Rheumatism, Diabetes, &c.**GRANDE-GRILLE**For Diseases of the Liver and
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For Stomach Complaints, Indigestion, &c.

VICHY-ÉTAT PASTILLESTwo or three Pastilles after each
meal facilitate digestion.**VICHY-ÉTAT COMPRIMÉS**For instantaneously producing an
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Gold
Medal
Wine
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sales and a steady profit if **DO**

SEND FOR LIST.

All Registered Chemists can sell Wincarnis
with Quinine without a licence. Why not you?Medical men in your district order it often,
and there is a large public demand. [18]

By Special Appointment to the King & Queen of Spain.

COLEMAN & CO., LTD., 21 Wincarnis Works, NORWICH.

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The Directors of **BUVO** Ltd. would be pleased to see all their friends at this Show, and will gladly send Admission Tickets on receipt of request enclosing Business Card.

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CARBONATE, CALCINED, AND FLUID.

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Established
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Excise Drawback on
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STANDARDISED TO B.P. 1898.

When diluted in the proportion of one part to forty parts of water at 60° temperature, they faithfully represent the Medicated Waters of the British Pharmacopœia. They are always of uniform strength, and will keep good any length of time in any climate.

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Each Bottle has the Inventor's Protection Label over the cork, without which none are genuine.

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Samples of any of the above sent free on application from

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THE **THERMOS** FLASK—for Lactonised Milk.



THERMOS Flask not only keeps liquids steaming hot for 24 hours and cold liquids icy cold for days without fire or chemicals, but by testing and experiments by able Medical Men it has been proved to be the **easiest, simplest, and most effective** mode of producing Lactonised Milk. The *modus operandi* is as follows:—

Heat your milk to a temperature from 105° to 110°—
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This means MINIMUM trouble—MAXIMUM results

MEDICAL MEN ARE LARGELY RECOMMENDING THE FLASKS TO PATIENTS.

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Best Terms allowed on £2 Orders which are C.P.

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Absolutely Pure English-distilled Sandal-
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Cut Sarsaparilla of all kinds.

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A large stock of all Gums, Roots, Barks, &c.,
in ordinary form and powder, always kept.

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(Late of Mitre Square, Aldgate)
And 20 BUCKLESBURY.



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The only conditions are:—(1) That the customer shall not cut below minimum prices; (2) He shall display a Bovril window bill on each street floor window of his business premises for six weeks; and (3) Make prompt payment of accounts, in accordance with ordinary trade terms.

Send your order at once to Bovril, Ltd., 152-166 Old St., London, E.C., and take your full share of the cash to be earned over and above the profits on the sales.

BOVRIL

the Mighty Energiser

**needs no pushing. It sells on its merits
as the finest beef preparation obtainable,
and is in steadily increasing demand.**

Chemists looking for the most profitable, attractive, and unique lines for the Winter Season, should write for Price List from

A. WANDER, Ph.D.,

1 & 3 Leonard Street, City Road, LONDON, E.C.

"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

'The Lancet' says: 'Of Standard Purity'

Recommended also by 'The British Medical Journal,' 'Health,' 'The Chemist and Druggist,' 'Food and Sanitation.'

ASK FOR SHOWCARDS AND HANDBILLS. To be obtained of all Wholesale Houses.

A. MILLAR & CO., LTD., DUBLIN
PURE ORANGE WINE

(VINUM AURANTII, B.P.), prepared in strict accordance with the Formula of the British Pharmacopoeia. (Wholesale only.)

WRITE FOR SAMPLES TO 10, 11, and 12 THOMAS STREET, DUBLIN.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
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PRESTON'S LIVERPOOL DISTILLERY CO., LD.

The Largest Makers in the Kingdom.

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LOSALL'S SALT (well advertised), tins ...	6d. ...	3/6 net.	PREPARED BARLEY ("Crown Brand.")		
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FINEST HYGIENIC FIRST MILK FOOD			design label, name and address, on		
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months, tins 13 ...			enamelled tins		

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London Agents: F. NEWBERRY & SONS.

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"THE LANCET."

JULY 31st, 1909.

DiaMalt Malt Extract with Cod Liver Oil.

(The BRITISH DIAMALT CO.,
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We have already remarked upon the high diastatic value of this company's malt extract. According to our experiments, DiaMalt digests nearly seven times its weight of starch at body temperature and as much as 13 times its weight of starch at higher temperatures.

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Bottle Caps.



Dish & Dessert
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Nos. 0, 1, 2, 3, 10, 20, 30, 3B. for Phials @ 5d. per gross
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that make a horse Wheeze, Roar, have Thick Wind, or Choke-down, can be removed with

ABSORBINE
(YOUNG'S)

or any Bunch or Swelling. No blister, no hair gone, and horse kept at work. 8/3 per bottle, delivered. Book 3D free.

ABSORBINE Jr., for human use, 4/6 delivered. Reduces Goitre, Tumors, Wens, Varicose Veins, Ulcers, Hydrocele, Varicocele, Book free. Genuine in Lithographed Tin Cans. Manufactured only by W. F. YOUNG, P.D.F., Springfield Mass., U.S.A.

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For CAPPING EVERYTHING

whether corked, stoppered or sprinklered.
 BETTER APPEARANCE.
 MORE EFFICIENT AND EASIER
 TO APPLY THAN ANY OTHER
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Strong, perfect fitting, SELF-FIX-
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AGRICULTURAL HALL, LONDON, N.

Sept. 18th to 25th, 1909.

See Large Exhibit of

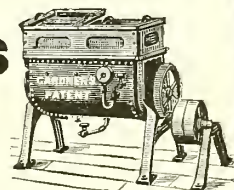
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PATENT "RAPID"

SIFTERS & MIXERS,

And other Machines.

WM. CARDNER & SONS, Ltd., Engineers, GLOUCESTER



A GOOD LINE.**HAMMOND'S** (antiseptic) **CLEANSING PASTE**
removes **Tobacco Stains** from the **Fingers.**Also **PAINT, OIL, FRUIT, and INK STAINS.**Leaves the hands **Clean, Soft, and Smooth.**
Sold in tins 1/- each. 8/- per dozen carriage paid.**THE HAMMOND MANUFACTURING CO.**
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GOLD MEDAL
TOOTH BRUSHES.

ILLUSTRATED CATALOGUE FREE ON APPLICATION.

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The success of Listerine is based upon merit, and the best advertisement of Listerine is—Listerine.

LISTERINE DERMATIC SOAP

Designed to meet the most exacting requirements of a saponaceous detergent for use in the antiseptic treatment of diseases of the skin. No animal fats, and only the best vegetable oils enter into its composition, and of these it contains a surplus, "superfatted." It is a bland, unirritating and remarkably efficient soap.

LISTERINE TOOTH POWDER

This powder is not intended to supplant Listerine in the daily toilet of the teeth, but is offered in response to the demand for a frictionary dentifrice to be used in conjunction with this well-known and time-tried antiseptic.

Listerine Tooth Powder, like Listerine, will advertise itself by its intrinsic merit.

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General Agents for Great Britain.

FOR DESCRIPTIVE LITERATURE, ADDRESS—

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The number of dentifrices is myriad, their names are legion,

But—

in principle and in efficiency there is but one,

CALOX**THE OXYGEN TOOTH POWDER.**

Its principle is the evolution of oxygen.

Its efficiency as a cleanser of the teeth is due to the oxygen which it generates when used.

Not only antiseptic, but deodorant, two desirable properties of a tooth powder. Its oxidizing and deodorizing power was obvious in our experiments.—THE LANCET, London, Eng.

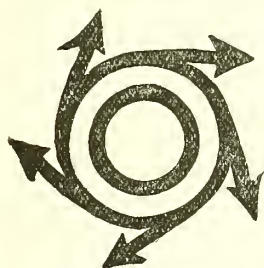
Possesses not only strong antiseptic, but deodorizing and oxidizing properties, as the result of which the teeth, after a few days' use of CALOX, acquire a pearly whiteness.—THE CHEMIST AND DRUGGIST, London.

CALOX is entirely different from other dentifrices. Its introduction marks a decided advance in the scientific development of a dentifrice, a fact which the dental profession the world over has been quick to recognise. Chemists should interest themselves in Calox because only a chemist can explain the peculiar virtues and value of an oxygen-producing dentifrice.

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McKESSON & ROBBINS, New York, U.S.A., Manufacturers.**BRITISH
DEPOT—****A. C. WOOTTON, 14 Trinity Sq., Tower Hill, London, E.C.**

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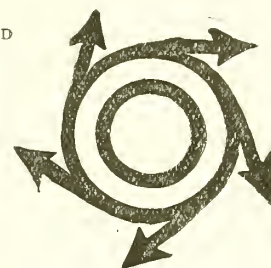


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TRADE
MARK

'DARTRING' BRAND

Lanoline Products



TRADE MARK



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Prepared with the genuine original 'DARTRING' Brand Lanoline, which was officially indicated as the standard Hydrous Wool Fat in the *British Pharmacopæia Addendum*, 1890

**Nature's
Best
Emollient**



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issued in collapsible tubes, at 5/- and 10/- per dozen
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issued in metal dredgers, at 5/- per dozen
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issued in boxes of three tablets, at 15/- per dozen boxes
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issued in boxes of three tablets, at 19/6 per dozen boxes
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issued in boxes of three tablets, at 19/6 per dozen boxes
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issued in sticks, at 8/6 per dozen



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HAIR TONIC.

The World's best preparation for the Hair.

Delicately perfumed, for preserving and restoring the strength, vitality, & beauty of the hair. It will prevent dandruff and keep the scalp clean and healthful.

1/- size, 9/- doz.

2/- size, 18/- doz.

3/- size, 27/- doz.

The word “Vaseline” is the Registered Trade Mark of the

CHESEBROUGH MANUFACTURING CO.

42 Holborn Viaduct, LONDON, E.C.

‘PANOPEPTON’

PANOPEPTON presents the entire substance of prime lean beef and best wheat flour in a perfectly soluble, diffusible, and absorbable form. It is at once a grateful stimulant and food.

‘PEPSENCIA’

PEPSENCIA is an ever-ready digestive fluid possessing remarkable peptic and rennet activity. It contains pure pepsin, the vitality of which is unimpaired by chemical action or manipulation.

‘PEPULE’ PEPSIN 3 grs.

A convenient and accurate method of administering pepsin.

‘ZYMINE’ PEPTONISING TUBES

For the preparation of peptonised milk and other predigested foods for the sick.

Originated and Manufactured by

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A Weekly Journal of the Chemical and Drug Trades,
and of
British Pharmacists throughout the Empire.
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"The Chemists' and Druggists' Diary for 1910."

(Forty-second year of publication.)

- 1.—This *Diary* is first in origin and utility.
 - 2.—As an advertising annual it is in daily use throughout the year.
 - 3.—Every Subscriber to the *C. & D.* gets a copy free.
 - 4.—The Subscribers are in business in every civilised country in the world.
 - 5.—The *Diary* is designed to help in business.
 - 6.—The Advertisements in it are part of the help.
 - 7.—To buy well is as requisite as selling well.
 - 8.—Advertisers can help subscribers in that.
 - 9.—The *Diary* helps both through its Buyers' Guide.
 - 10.—The Buyers' Guide is an index of goods advertised in the *Diary*.
 - 11.—Buyers refer to it frequently when filling orders.
 - 12.—To get into the Buyers' Guide, advertise in the *Diary*.
- For further particulars please write to the Publisher, 42 Cannon Street, London, E.C. He and the Editor are getting the *Diary* ready.

Summary of the Week.

Articles and Contributions.

The inequality of railway rates for druggists' goods is the subject of a communication by an expert on p. 436.

A memorial is to be erected at Coblenz to Mohr, who did so much for pharmacy and volumetric analysis (p. 442).

Considering that lampblack is condensed smoke, it should not contain much ash, but Mr. F. H. Alecock shows that it does (p. 443).

Quillaia has been coming into the market lately which is not the bark of *Quillaia Saponaria*. It is described and microscopically depicted in an article on p. 443.

Upon what basis will chemists who have wine-licences pay licence-duty? We show that the rental is not the basis according to the Finance Bill and authorities (p. 440).

"Xrayser" reflects upon sweet oil, Mr. James Reid's anti-quackery crusade, an Imperial pharmaceutical diploma, and the granting of agri-horticultural poison licences (p. 439).

The Port of London Authority have taken the first step towards imposing dues on goods coming into the port, a draft schedule of maximum fees having been prepared. We quote those of interest to the drug-trade (p. 441).

Correspondence.

Further interesting notes on the sweet-oil question commence the six pages devoted to correspondence this week, the following being other topics: Proprietary-medicine trade, stocktaking (p. 451); chemists' scales, otto of rose, oils of thyme and origanum, the practised nose, estimation of ammonium phosphate (p. 452); qualified v. unqualified assistants, travellers' calls (p. 453); corrosive sublimate, and Australian honey (p. 454); these being followed by replies to legal queries (p. 454) and to miscellaneous inquiries (pp. 455-6).

Exhibitions.

Four are reported this week—the Confectioners' at the Agricultural Hall (p. 437), a dental one promoted by the Society of Extractors and Adapters of Teeth (p. 437), the Photographic Salon (p. 444), and further notes on the Medical Exhibition at Durban (p. 429).

Legal and Parliamentary.

Spirit-matters are now receiving the chief attention of Parliament. On Thursday Captain Craig put another question about stamped medicines (p. 446).

Several trade-law cases are reported from the courts, as well as a Beecham's pill case from Dublin and saffron and white-precipitate cases under the Sale of Food and Drugs Acts (pp. 430-1).

News.

Nine announcements of marriage are an unusual feature in the week's news. See p. 431.

British export and import trade was better last month to the extent of 7,442,000. (p. 442).

Australia is arranging new regulations for the importation of foods and drugs. Full particulars on p. 430.

To sell "Zam-bock" as "Zam-buk" is a serious offence, according to the West Ham Magistrate (p. 427).

The Deutscher Apotheker Verein has met in Berlin this week, a feature of the proceedings being the opening of the new Vereinshaus. Our report is on p. 434.

The Council of the Pharmaceutical Society of Ireland decline to recognise company-apprentices until pharmacy companies are recognised by law (p. 434).

Railway rates for drugs was the principal topic at the meeting of the Chemical Section of the London Chamber of Commerce this week, countervailing duties on alcoholic derivatives and the U.S.A. import spirit-duty being also discussed (p. 435).

Trade Matters.

The business tone in the chemical and drug markets continues fairly good, and the trend of values in several important instances is still upwards. These include opium, morphine, codeine, quacksilver, hydrastis, chamomiles, and cubeb oil. Copper sulphate and canary-seed are lower (p. 447).

English and Welsh News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Brevities.

A glass sign outside the premises of Mr. Alfred Higgs, pharmacist and dentist, Richmond Road, Kingston-on-Thames, was smashed last week, the damage amounting to 25s.

The lock-up premises of Mr. W. E. Rees, chemist and druggist, 238 Holton Road, Barry Dock, were broken into on September 6, but the burglars only obtained a small sum of money for their trouble.

The East Ham medical officer (Dr. G. Sowden) reports that at the three distributing-stations some thirty-three tons of disinfectant in powder form and 1,700 gals. of disinfecting-fluid were given away during the year.

The Walthamstow medical officer (Dr. J. J. Clarke) reports that defective vision exists in 10 per cent. of the local school-children, and that no fewer than 300 yearly will require spectacles, of which a large proportion are the children of poor parents.

A deer was found in a field of oats belonging to Mr. T. L. Hollely, Ph.C., the Mayor of Retford, on September 1. The animal, which had probably escaped from the parks of either Thoresby or Welbeck, had evidently been in hiding for some weeks judging from the number of bare patches in the field.

The Manchester medical officer (Dr. James Niven) mentions in his annual report an outbreak of arsenical poisoning in April 1908 which affected sixty-two Manchester children. The source of the poisoning was traced to some sweets which were found to contain 8.4 to 11.2 grains of arsenic per lb.

A find of considerable botanical interest was made by the eight-year-old son of Mr. Harold E. Matthews, the Mall Pharmacy, Clifton, who discovered four spikes of the *Scilla autumnalis* on St. Vincent's Rocks. The plant was last reported as growing at Clifton about 1860, though previous to the construction of the Suspension Bridge it was known to grow where the pier of the bridge now stands.

The Horticultural Society in connection with Messrs. Ferris & Co., Bristol, had a show recently in which dahlias, cut flowers, and vegetables were the features. Some of the exhibits proved to be very fine. The results were as follows: Cactus dahlias, E. Hitchins (1), A. Bennett (2); bouquet of cut flowers, T. Watson (1), A. Hemmings (2); ladies' spray, G. Baker; best collection of vegetables, F. Bennett (1), J. Bennett (2).

The North-East Lancashire Chemists' Association have an opportunity of discussing whether or no they favour a special show-day and window-dressing competition by local tradesmen. The subject was discussed by the General Traders' Association on September 6, when Mr. J. E. Shepherd related how the scheme had worked in Bolton. A motion that the committee and the various affiliated associations (which includes the N.E. Lancashire Chemists' Association) consider and report on the question was carried.

A special technological course of lectures on essential oils will be given by Mr. C. T. Bennett, B.Sc., A.I.C., pharmaceutical chemist, at the Borough Polytechnic, Borough Road, London, S.E., on Wednesdays from 8.40 to 9.40 p.m., commencing October 6 (Fee 5s.). The lectures will include the following sections relative to volatile oils: Sources; methods of production; distillation and mechanical processes; physical characters; chemical constituents; composition of the more common essential oils; analysis and detection of adulteration; artificial products; employment in the arts and industry.

Work for University Graduates.

Dr. Henry A. Miers, F.R.S., Principal of the University of London, informs us that an Appointments Board has been constituted by the University of London, in order "to assist graduates and students of the University in obtaining appointments, and to co-ordinate and supplement the work done by the Schools and Institutions of the University with this object."

Western Pharmacists' Association of London.

Arrangements have been made to inaugurate the new session of this Association on Wednesday, October 6, when the Annual Social Reunion will be held in the Alpha Salon, Restaurant Frascati, Oxford Street, W., at 8 p.m. Several excellent artists have been engaged to contribute a good and varied musical programme. Refreshments will be served during the interval. Tickets (to admit one), 2s. 6d. each (including refreshments), may be obtained on application to Mr. C. T. Allen, Hon. Secretary, 20 High Road, Kilburn, N.W.

Shops Bill (No. 2).

The following resolution has been sent to us for publication, it having been passed on September 1:

That this meeting of the Birmingham Branch of the National Union of Assistant Pharmacists, while expressing its satisfaction that chemists are included within the sixty-hours' provision of the Shop-hours Bill (No. 2), earnestly desires to see the substitution of the word "inclusive" for the word "exclusive" in Clause 1 of Section 1 of the Act; and, further, that this meeting urges his Majesty's Government to grant facilities for the passing of this measure into law early next Session.

The effect of the proposed change would be to make the sixty hours a week in which shop employés are engaged inclusive of meal-hours. Either way the point does not affect persons employed in selling medicines or medical and surgical appliances in shops.

The Drug Stores Association of Great Britain.

The officers and Council of this body have issued an annual report which contains an account of the annual meeting held on October 23, 1908, with the presidential address by Mr. Walter Huntrods (see *C. & D.*, November 7, 1908, p. 730), a report of a presentation to the Nottingham Secretary (Mr. C. Manfull), an abstract of the Poisons and Pharmacy Act (not "Bill," as given in the pamphlet), followed by comments on (1) the effect of the Act, (2) sale of spirituous medicines, and (3) "Why we have failed to receive official recognition in the Government Bill." For 1d. stamp the members of the Association are supplied with a pamphlet showing them "how to run a drug-store successfully under the new Act," which, we understand, refers to forensic, not commercial, success. Mr. A. Dobson, Grove Cottage, Morley, near Leeds, is General Secretary of the Association.

Brushmakers at Brighton.

On September 4 the male employés of Messrs. G. B. Kent & Sons, Ltd., Farringdon Road, E.C., to the number of about 150, had their annual banquet at Brighton. Mr. Ernest N. Kent presided at the luncheon given by the directors at the Royal Pavilion. Mr. W. Benwell, the *doyen* of the employés, proposed the toast of "Welcome home to Mr. A. Barton Kent," which was enthusiastically honoured, and in his reply Mr. Kent gave some details of his journey (see *C. & D.*, August 28, p. 370). Mr. E. O'Donnell, who represents Messrs. Kent in the South of England, proposed "The Company," and Mr. C. F. Barrett responded for the directors. Mr. A. H. Lidderdale, the junior director of the company, gave "The Visitors," and the Mayor of Brighton responded. The Chairman proposed "The Employés" in a kindly speech, and Mr. Henry Stevens, Mr. J. Humphries, Mr. J. G. Craft, and Mr. F. C. Forrest responded on behalf of Farringdon Road, Victoria Park, River Gade, and Melbourne respectively. Not the least interesting toast was that of "The Harold Benevolent Society," which was given from the chair; and Mr. W. H. Servant, in responding, stated that the Society has a membership of 126 and a balance at the bank of 440/. After the luncheon the company separated to enjoy themselves fancy free until the return to town.

Birmingham Notes.

Pharmacists who call at the University library to make references on chemistry and allied subjects, through the courtesy of the librarian, Mr. W. H. Cope, will find that in future it will be necessary to journey to Bournbrook for the purpose, as the books have been recently removed to the "Hardman" library.

A special Congregation for the bestowal of the degree of LL.D. will be held at the University in honour of the

King's visit to open the new buildings. Among the recipients will be Dr. W. A. Tilden, F.R.S., Sir W. Ramsay, Lord Rayleigh, Professor Silvanus Thompson, Sir W. Crookes, and Mr. Andrew Carnegie.

Sheffield Notes.

The wife of Mr. Harold Foers, analytical chemist, 72 Pealter Lane, was found in a dying condition on September 5 with a shot-wound in her temple. Deceased has been depressed in spirits for some time past.

Mr. G. T. W. Newsholme, Ph.C., took a prominent part in a debate at the meeting of the Sheffield Board of Guardians last week, in opposition to a proposal to give up the farm which the Guardians rent for the purpose of supplying milk to the inmates of the Union workhouse and hospital. He urged the importance of safeguarding the poor's milk-supply. An irrepressible member, who opposed on the ground that the Guardians have no right to enter into competition with ratepayers, suggested that the Board might as well set up a chemist's shop and supply better chemicals in opposition to Mr. Newsholme—a suggestion received with loud laughter, in which Mr. Newsholme joined.

Sale of Food and Drugs Acts.

The East Ham analyst reports that the only drug-samples examined during last year were one each of castor oil and camphorated oil, both of which proved to be genuine.

In Walthamstow during the past year one sample of white precipitate powder was certified as complying with pharmacopœial requirements. This was the only drug-sample taken.

Police-court Charges.

At the Old Street Police Court on September 8, William Chester (34), foreman vinegar-maker at Messrs. Sarson & Son's, Ltd., City Road, London, E.C., was committed for trial, on bail, to the Sessions on a charge of wilfully damaging 27,000 gallons of vinegar, value 1,200*l*.

At Wigan last week, Sam Gale was sentenced to six months' imprisonment for obtaining money by false pretences. Prisoner appeared on the music-hall stage under the name of Noel Cody or the title of "The Mighty Medicine-man," professing to cure various ailments, including blindness. His "cure" for the latter is a solution of potassium permanganate.

At the West Ham Police Court on September 7, Jacob Pollock (75), canvasser, New Kent Road, London, S.E., was remanded by Mr. Ratcliff Cousins on a charge of acting as a pedlar without a licence, and also with obtaining a penny by fraud from Mrs. Rhoda Scott, of Silvertown. The second charge was preferred owing to inquiries subsequent to finding 114 boxes of green ointment, resembling Zam-Buk in colour and appearance, in accused's possession. The Magistrate adjourned the case for proof of registration of the name "Zam-Buk."—On the following day Mr. F. A. S. Stern, prosecuting on behalf of Messrs. C. E. Fulford, Ltd., showed that "Zam-Buk" was registered trademark No. 266,690. After other evidence, including the prisoner's, who said he was a Dutchman, and declared that he called the ointment "Zam-Bock," and that "it is every bit as good as Zam-Buk," the Magistrate said that "Zam-Bock" did not in any sense allude to the ingredients, and that the name is uncommonly like Zam-Buk. The article itself was a colourable imitation of the proprietary article, and the selling of it as Zam-Bock was a serious offence. On account of his age the accused would have to go to prison for two months without hard labour for the false pretences.

Poisonings.

Few fatalities (six cases including four misadventures) have been recorded from poisoning this week, although several cases of attempted suicide have occupied various magistrates' attention.—A three-year-old child, named John J. Mahoney, of Liverpool, obtained, in the absence of his parents, a bottle containing glycerin of belladonna, which was hidden behind a washstand, and took a large quantity with fatal results.—George Driver (28), carman, Norwich, died from the effects of taking oxalic acid in mistake for Epsom salt.—The unknown woman who was found dead upon Hampstead Heath (*C. & D.*, September 4, Col. Supp.) has been identified as Emily Maud (22), dress-maker, Windsor. At the resumed inquiry the jury ex-

pressed the opinion that greater restrictions should be placed upon the sale of oxalic acid.—At Stockton-on-Tees Clara B. Winstanley (29), wife of an ironworker, committed suicide by taking crude carbolic acid, a three-gill bottle of which had been supplied by the Corporation.—Frederick Loder (46), of Swindon, died from the effects of taking a quantity of Lysol by accident. Deceased drank from a bottle of the preparation which was placed on a table near an empty bottle of port wine.—At Liverpool, Ann Brown (75), the wife of a pawnbroker, took a teaspoonful of turpentine for stomachic troubles. She died shortly afterwards from heart failure accelerated by the overdose. Deceased said that she ought only to have taken a few drops.—An insurance agent, named H. W. Jeffreys, died in the Northampton County Hospital from spirit of salt poisoning. Suicide while temporarily insane was the verdict returned at the inquest.

Irish News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Accidents.

Mr. Robert Rodgers, druggist, Limavady, was cycling last week, when he collided and fell heavily on the ground, becoming unconscious. He is recovering.

A young employé in the pharmacy of Dr. J. C. McWalter, Capel Street, Dublin, was preparing a chlorate mixture in a mortar on September 4, when the powder exploded and blew part of his thumb off. The ceiling of the shop was also damaged.

Smart!

The "Dromore Weekly Times" of September 4 contained the following paragraph:

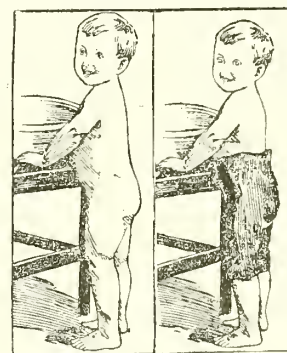
On Wednesday last as some sheep were being driven through the Square of Dromore, through that instinct which guides the destinies of the lower animals they ran into Mr. Dale's chemist shop, and huddled up close to the counter. It is needless to remark that the proprietor was astonished, but it dawned upon him that, as the sheep appeared not to have been dipped according to the Sheep-dipping Order, the animals had called to get a supply of his now famous sheep-dip. Surely where the sheep lead farmers should have no hesitation in purchasing, because the sheep seem to know where the good dip is kept.

This refers to Mr. James Dale, M.P.S.I., of the Pharmacy, Dromore, and we judge from his modern ideas of advertising that he knows how to give points to a smart reporter.

The Pears' Soap Baby.

There has been trouble in Drogheda about the fine poster which Messrs. A. & F. Pears, Ltd., have lately been exhibiting, and which depicts

a chubby and smiling baby boy using Pears' soap. The Association of Drogheda Billposters were approached by a clergyman in the locality with a protest against the child's nudity. The Association took the matter into serious consideration and communicated with billposters in Dublin, Belfast, London, and Cardiff, whose uniform reply was that the morals of these cities had not suffered from the poster. But the Rev. Father was implacable, and insisted that the poster should either be withdrawn or rendered "unobjectionable," otherwise he would burn down the hoardings. The billposters succumbed and met the Rev. Father's demands by using paint and brushes in the manner depicted in the engraving.



Poor-law Medicines.

The Local Government Board has told the Birr Board of Guardians to get estimates from more than one firm of dealers for the supply of the stock-bottles for the Riverstown Dispensary.

At Downpatrick Board of Guardians on September 4, a letter was read from the Local Government Board relative to the charges made by Messrs. Ben Clarke & Son, Belfast, for small quantities of medicines ordered for use in the Downpatrick dispensary district. The Board pointed out that, under the terms of the contract, the contractors were bound to deliver the drugs at the workhouse and the respective dispensaries within the union "in such quantities and at such times as the Guardians may direct." Therefore the claim now made was not one that the Guardians could entertain.

Druggists' Compensation Claims.

The claims for compensation for criminal injuries to be heard at the ensuing sessions of the Belfast Recorder's Court include the following: William M. Lewis, druggist, 96 Falls Road, 50*l.* for damage to glass, window guards, door, counter-case, wall-case goods, drugs, etc., on July 12; Wm. Shaw, druggist, 214 and 216 Grosvenor Street, 4*l.* 13*s.* for damage to plate glass, etc., on July 12. The damage in both cases was inflicted during the riots in Belfast.

Scots News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Aberdeen and the North.

Mr. A. Catto, formerly with Messrs. Davidson & Kay, Aberdeen, and at present with Messrs. Matthews & Son, South Woodford, London, has taken over the chemist's business at Fyvie which belonged to the late Mr. J. C. Henderson.

Mr. John Marnoch, M.A., M.B., C.M., surgeon to and lecturer on clinical surgery at the Aberdeen Royal Infirmary, has been appointed Regius Professor of Surgery in the Aberdeen University, in succession to Professor Ogston, resigned. Mr. Marnoch is only forty-two years of age, but his appointment, which was recommended to the King by the Secretary for Scotland, is an extremely popular one. Graduates in medicine and surgery in this country and the Colonies united in recommending Mr. Marnoch for the appointment he has now received, in the belief that he would "worthily uphold the best traditions of the Chair of Surgery, not only as a surgeon, but as a man of culture."

The quarterly meeting of the Aberdeen Pharmaceutical Association was held in Robert Gordon's College on Wednesday, September 1, Mr. Robert Leslie (President) in the chair. There was a good attendance of members. Two new members were admitted, bringing the total membership to fifty-nine, representing 80 per cent. of the possible. Various reports were submitted to the meeting by conveners, chief among which was the report of the Vigilance Committee, who had looked after the Poisons and Pharmacy Act, 1908, during its production and inauguration. Keen disappointment was expressed at the way in which this Act and its regulations had been interpreted. A resolution on the subject was submitted and passed for presentation to the Council of the Pharmaceutical Society.

Glasgow and the West.

Mr. Wm. W. Flett, chemist and druggist, has closed his pharmacy in Woodlands Road, Glasgow.

Dr. Thomas H. Bryce, M.A., has been appointed professor of anatomy at Glasgow University. Since 1892 he has held the Queen Margaret College lectureship in that subject.

A so-called "strike" of Glasgow doctors is the topic of the week. It arises from the School Board's appointment of part-time medical officers. The Board's pay is at the rate of 5*s.* 4*d.* per hour, and the doctors want 10*s.* Professor Ralph Stockman presided the other day at a meeting of the West of Scotland branch of the British Medical Association, at which a motion was carried regretting the Board's refusal to reconsider the terms, and what was virtually a boycott of the appointments was agreed to.

Mr. James Grieve, Ph.C., of Messrs. Frazer & Green's staff, Buchanan Street, Glasgow, has been appointed lecturer in materia medica and pharmacy at the Glasgow and West of Scotland Technical College. Mr. Grieve's duties

will be confined to an evening course, in which chemistry and physics will be taught by Professor Henderson and botany by Dr. D. Ellis. This, as previously announced in the *C. & D.*, is a new departure on the part of the Technical College, and it is understood that the object is to anticipate the Pharmaceutical Society's curriculum requirements. The University authorities do not propose to proceed further in the meantime with the proposed course in pharmaceuticals.

Perth.

A site for a new infirmary has been approved of at a meeting of the managers and subscribers.

An ingenuous schoolboy once described Perth as a low, lying place, and a local chemist often resurrects the saying, though without malicious intention. It could certainly be fittingly termed a busy place. The High Street and several of the adjoining thoroughfares, especially on a market-day or Saturday evening, give one the impression that an invading force has just made a successful descent. The pharmacists are kept particularly busy on these days; and the frequent inquiry, "When does your train leave?" gives one an idea of the extensive rural trade existing. Most of the pharmacies are thoroughly up to date, and carry full stocks of agricultural, pharmaceutical, and photographic materials.

French News.

(From the "C. & D." Paris Correspondent.)

THE SUPER-MAN.—In the realistic re-constitution of "Macbeth" by M. and Mme. Materlinck, at the Château of Wandrille (Normandy), last week, a Caudebec pharmacist took part.

DEATH OF BOUVEAULT.—Telegraphing on September 9, our Paris correspondent states that M. Louis Bouveault, assistant-professor of organic chemistry at the Sorbonne, is dead. He was a past President of the Chemical Society of France, and was in his forty-sixth year.

FRAUD IN MINERAL WATERS.—The trade in fraudulent mineral waters continues to attract attention in France. As the result of legal action recently taken by the Paris Syndical Chamber of Mineral-water Dealers, several thousand syphons and bottles have been confiscated and the offenders are to be prosecuted. It is worthy of mention that it has not transpired that any of the offenders are pharmacists.

MOTOR-ACCIDENT.—M. Henri Quettier, who was recently the victim of a very serious motor-accident, was a pharmaceutical student who had nearly completed his course at the Paris Superior School of Pharmacy. He was crossing the railway line at Cléguerec when a train (which was late) passed and cannoned against the motor-car. Quettier was thrown some twenty yards and picked up with a fractured skull. He is twenty-two years of age, and a native of Lorient.

THE PIONEER OF KOLA.—M. Barillé (military pharmacist) recently presented to the Paris Society of Pharmacy a pamphlet by Dr. E. Leclair (head pharmacist of the Charité Hospital at Lille) on Palisot de Beauvois. This eminent botanist was a native of Lille and a disciple of Lestiboudois. In 1789 he joined an exploring party to Benin (West Africa), and subsequently did much to popularise the use of the kola-nut in medicine. His scientific memoirs were numerous; he became a member of the Institute, and died at Paris in 1821.

GUARANTEES FOR WINE.—Pharmacists engaged in the sale of wine, which many are in country towns, will be interested in the form of guarantee which it has been decided by the French Ministers of Finance and Agriculture to give to certain French wines. The majority of the wine-growers have accepted the proposals, though there was strong opposition on the part of the minority. The guarantee will be in the form of Government labels, ranging in cost from ½*d.* per bottle for wines to 2½*d.* per bottle for expensive brandies. Briefly stated, the efficiency of the guarantee will consist in each wine-grower being allowed a quantity of labels to correspond with the amount of wine he may declare. The sale of wine in cask is also

provided for. "Brandy" and "Cognac" are to be in future legally synonymous terms. So far Burgundy has not taken part in the negotiations, and the wine-growers of that district propose to dispense with the labels.

A WHIFF OF THE BRINY.—M. Henri Coutière, Professor of Zoology at the Paris Superior School of Pharmacy, has toured around the long coastline of France to study the *Crustaceae* of his native land. He records the results of many days (and even a few nights) on sea and shore in chatty fashion, which would be readable enough but for his disconcerting familiarity with the technical terms of the fishing fraternity, for he discusses trawls and bow-nets, "bichetières" and lobster-pots, with the calm assurance of old salts accustomed to "souquer l'orin" (haul in the buoy-ropes) in all weathers. The "cardinal of the seas," as the French writer—only familiar with the crustacean in its cooked state—termed the lobster, is, he tells us, "*par excellence* Anglo-Saxon." Its Latin congener is the langouste, or spiny lobster, "ignored by the Anglo-Saxons and omitted from Billingsgate price-quotation." Of the habits of this latter curiously little is known, "as it commits the error of not awaiting the naturalist's holiday season to perform the various acts of its existence." It is, however, a familiar object to every Parisian, abounding in the dangerous seas around Ushant and Sein. How Spanish and Portuguese langoustes are smuggled into French fishing-boats, how the French fishing-boats trespass on English grounds, where and how "prohibited engines" are utilised, are duly recounted in racy fashion; while such practical points as the artificial breeding of lobsters, the packing of "soft crabs," and the comparative gastronomic merits of the pink and grey shrimp are also touched upon. The Professor concludes by asking the seaside readers of the journal of pharmacy in which his observations are published to point out freely any omissions in his article. Nothing will be more agreeable to him, he protests, than their reproaches. He has even prepared for them a little instrument of torture in the form of a list of questions, which he will not hesitate to inflict upon them should they venture to show signs of life.

South African News.

(From the "C. & D." Correspondents.)

Natal.

HEALTH OF THE COLONY.—The report of the Health Officer for the Colony (Dr. Ernest Hill) for the year 1908 has just been published. Dr. Hill at the outset states that there has been an exceptional prevalence of measles and whooping-cough, but a very marked reduction in the incidence of malarial fever, which has been shared by all races. In Durban the best methods known to modern science have been constantly and energetically applied. In other parts, occupied for agricultural and industrial purposes, the use of quinine has been enforced, and to some small extent efforts have been made to limit the propagation of mosquitoes, but the measures for limitation have been irregular and spasmodic: in native locations the most has been the offering of facilities for obtaining quinine. As regards phthisis, 5 per cent. only of deaths were of persons of less than one year's residence, as against 14 per cent. in the previous year, and the mean rate per 10,000 from all tubercular diseases for the years 1902-8 was 23, with a maximum of 26 in 1902 and a minimum of 17 in 1907. Considerable space is devoted to remarks on ankylomiasis, which has become very prevalent among indentured Indians and natives.

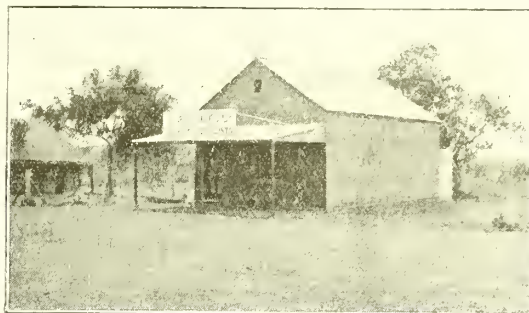
Orange River Colony.

PERSONAL.—Mr. John Main, of Messrs. Petersen, Ltd., and Mr. Hutcheson, of Messrs. Lennon, Ltd., have returned to Bloemfontein, both looking very well after their holiday in the Old Country.

MEDICAL AND PHARMACY BOARD.—The August meeting of the Medical and Pharmacy Board of the O.R.C. was principally taken up with a petition for the reinstatement of Dr. Bateman. Mr. Blaine, K.C., appeared on his behalf, but no decision was come to, as the matter must be dealt with by the Government first.

Rhodesia.

GATOOMA is spoken of as another future Johannesburg—by those who are in it. At the beginning of last year it consisted of a few scattered huts and a railway siding on the



Bulawayo-Salisbury line; to-day it boasts about eight stores, two hotels, a native hospital, and a school. It is still growing, one of the latest marks of civilisation and enterprise being a pharmacy, opened by Messrs. J. Wragg & Co., of Hartley, and managed by Mr. A. H. Phelps. This pharmacy we illustrate; it is not a mere shanty, but a well-built brick structure. Gold-mining is the cause of the mushroom growth of the town.

South African Medical Congress.

ONE of the most important papers, from a public point of view, read at the Medical Congress, was that of Dr. Ernest Hill, Health Officer for Natal, on "Public Health Administration by the State," in which that matter was dealt with from the standpoint of the union of British South Africa. Dr. Hill advocated the formation of one central authority which would act as a bureau of information for the benefit of local authorities. Research laboratories would be necessary to investigate the causes of preventable disease, and other duties would include the analysis of food, drink, and drugs, with particular attention directed to native remedies and poisons. The preparation of serums and vaccines would be included in preference to importing. The central authority, or Public Health Department, should be controlled by a Minister, advised by a medical officer and an engineer, who would be in direct touch with the local authorities, exercising the immediate control.

The final sitting of the Congress was held on August 7, when the following resolution was submitted: "That a medical man registered in any Colony in South Africa should enjoy the privilege of registration in any of the other Colonies, or, failing this, that such privileges be extended at least to men living in the border districts." After considerable discussion, the resolution was withdrawn in favour of the following amendment: "That this Congress would impress on the several Colonial Medical Councils the necessity for forming a general draft Act for the whole of South Africa, to be submitted to the profession, agreed upon by the several Medical Councils, and forwarded to the Union Government, and that every effort should be made to induce the Union Government to bring such Act into early operation." A standing committee was appointed to carry into effect the resolution, and report at the next Congress.—Another resolution was to the effect that early measures should be taken to prevent the further spread of tuberculosis among the natives, and a deputation was appointed to wait on the Union Government urging them to take action by means of education in hygiene and so on. Among other suggestions which the Congress propose to submit to the Government is the establishment of a central department of State medicine, empowering the registration of births and deaths and vital statistics under control of a Minister, as suggested by Dr. Hill.

THE EXHIBITION.—Messrs. Burroughs Wellcome & Co. showed a full range of the Wellcome brand chemicals, concentrated tinctures, serums, and first-hand aid cases adapted for the coat-pocket. Among the specialities on the stall of Messrs. Parke, Davis & Co. were eucalyptol tooth-paste and lactine tablets for the production of soured-milk. Messrs. Lennon, Ltd., displayed a full range of antiseptic dressings, surgical instruments, artificial eyes, and electric batteries. Holmes's disinfecting-fluid, largely used in South Africa, was shown in the various-sized tins and drums in which it is sold. Messrs. Turner & Co., Johannesburg, had a very smart exhibit of their products, which included those of Messrs. Johnson & Johnson. Mr. E. G. Bull, of

Johannesburg, surgical-instrument and hospital-appliance maker, showed artificial limbs, etc. In the entrance-hall the products of the Nutresco Co., Maritzburg, attracted considerable attention. These exhibits comprised "Carneseo," and "Bovesco," prepared from lean meat and a specially prepared wine, "Vinesco." There was also a splendid display of "Nutrine," a malted infants' and invalids' food. The stall was tastefully decorated, and enlarged photographs of infants who have been reared on this preparation were shown. "Nutrine" is a purely South African product, grown and manufactured in the country.

Australasian News.

The fullest information regarding the Australasian drug-trade and pharmacy is given in "The Chemist and Druggist of Australasia," copies of which can be obtained at 6d. each, post free, from the office of "The Chemist and Druggist," 42 Cannon Street, London, E.C.

The Commonwealth.

COMMERCE (TRADE DESCRIPTION) ACT, 1905.—Last month the Government published a draft of regulations to be made under this Act, with an intimation that until September 26 the responsible Department would receive suggestions in writing by interested persons for consideration before final agreement, when the regulations will be gazetted for enforcement. The draft includes the following:

Part I. Introductory, including definitions, such as—

"Food" and "drink" include every article used as food or drink by man other than drugs and water.

"Preservative" means boric acid, salicylic acid, sulphurous acid, formic aldehyde, and any preparation of any of those substances used as a preservative agent, and any substance declared by proclamation to be a preservative.

Part II.—Trade Descriptions of Imports.—Here some of the regulations are akin to existing provisions, but the following is a summary of those parts which may be of service to our readers:

A trade description must be applied, *inter alia*, to (a) articles used for food or drink by man, or used in the manufacture or preparation of articles used for food or drink by man; and (b) medicines or medicinal preparations for internal or external use. Otherwise their importation will be prohibited.

The description is to be in the form of a principal label or brand setting out a true description of the goods, the country or place where they are made or produced, and (when necessary) the weight or quantity.

In the case of food and drink the presence of preservative or deleterious substance per pint or pound has also to be indicated, and if a food for infants, but "not suitable for infants under the age of six months," these words have to be conspicuously displayed.

In the case of medicines and medicinal preparations for internal use, and containing more than 17.5 per cent. by volume of proof spirit (10 per cent. of ethyl alcohol), the percentage of proof spirit has to be included in the trade-description; and in the case of medicines or medicinal preparations (for internal or external use) containing any of the following drugs, or the active principles, salts, compounds, derivatives, or preparations thereof, the trade-description must include an explicit statement of the fact, the name of the article, or, in the case of any substance included but not specifically named in this list, the name most commonly applied to the substance in the English language in the Pharmacopoeias of Great Britain and the United States of America, or in the British Pharmaceutical Codex or other recognised authority:

Bromides, iodides, chloral, chlorotone, dionin, dormiol, paraldehyde, heroin, sulphonal, veronal, or any natural or synthetic hypnotic substance; or

Cantharides, cotton-root, ergot, oil of pennyroyal, oil of rue, oil of savin, oil of tansy, oil of parsley, or any emmenagogue or reputed abortifacient substance; or

Any drugs of vegetable origin being or containing poisonous principles or medicinal alkaloids or glucosides; or

Acetanilide, exalgin, phenacetin, phenazone, or any allied analgesic or antipyretic substance; or

Any poisonous salt of arsenic, barium, copper, lead, or mercury; or

Adrenalin or the like, bromoform, carbolic acid, chloroform, creosote, cresylic acid, hydrocyanic acid, free phosphorus, nitro-glycerin, or methylated spirit.

Part III. Trade Descriptions of Exports.—Honey is among the articles which must have a trade description attached to them on exportation, with statement of origin, and the word Australia.

Part IV.—Inspection of Exports.—Honey, meat extract, and meat essence are among the things which must conform with scheduled standards.

Part V. Classification and Certification on Request.—Refers chiefly to official stamping of farm produce.

Part VI. Miscellaneous.—Refers to analysts and analyses, and registration of brands.

Schedules appended to the draft regulations set forth standards and notice and other forms.

Legal Reports.

Trade Law.

Question of Circulation.—In the City of London Court on September 7, the Popular Publishing Co., 83 Farringdon Street, recovered 3*l.* 6*s.* from Mr. E. Worth, chemist, The Laboratories, Gathorne Street, Leeds, for advertisements inserted of the defendant's cough-lozenge in "Enquire Within." The defence was that the plaintiffs guaranteed a weekly circulation of 60,000, and as he had had absolutely no business from the advertisements he disputed the circulation. Evidence as to circulation was called, and after hearing it Judge Rentoul said he could easily understand the circulation in a paper of the kind would vary according to the news of the day. He therefore found for the plaintiffs, with costs.

Liability in Purchasing a Business.—In the City of London Court on September 7, Judge Rentoul allowed the Singer Sewing-machine Co., Ltd., 42 St. Paul's Churchyard, E.C., a claim of 9*l.* 16*s.* 8*d.* for two sewing-machines supplied to Messrs. Salmon, Ody & Co., surgical-instrument and belt manufacturers, 163 Strand, W.C. Mr. Hugo Marshall, defendants' counsel, explained that the business of Salmon, Ody & Co. was bought for 200*l.* last December by Mr. L. M. Sarle, who had been served with the summons, but the debt had been incurred by Mr. Edward Pallant, who owned the business formerly. Mr. Sarle did not know at the time that Mr. Pallant owed 300*l.* in trade debts, and the vendor undertook to pay all the trade liabilities. Plaintiffs said they did not know Pallant in the matter. They had only dealt with Salmon, Ody & Co.

Travellers' Commissions on Oatmeal.—In the City of London Court on September 8, Judge Rentoul, K.C., had before him a claim by Mr. W. F. Carling, traveller, Bristol, against the Applied Inventions, Ltd., 30 Denman Street, London, for 3*l.* as commission for selling Oatmeal preparations to Messrs. S. Maw, Son & Sons, Aldersgate Street, E.C. Plaintiff said he had put the customers on to the defendants' books while he was in their employment, and he contended that he was entitled to commission for all business which followed from customers whom he introduced, even after he had ceased to work for the defendants. Judge Rentoul said he did not see how the plaintiff could recover commission for ever. Plaintiff maintained that something which Lord Justice Mathew had said supported his view. Judge Rentoul remarked that the law on such a subject was very largely governed by the custom of the particular trade. If it were the custom for plaintiff to be paid commission for all his life on the business of all the customers whom he introduced he could recover in that action, but he did not know of any such custom. Mr. Sanderson, counsel for the defendants, said he could show most conclusively that the plaintiff was wrong in his contention about the law and the custom; but, apart from that, the plaintiff was not the first traveller to introduce the defendant's goods to Messrs. Maw. His claim would therefore break down. Mr. E. S. Baring-Gould, managing director of the defendant company, gave evidence to that effect, and his Honour gave judgment for the defendants, with costs.

High Court Case.

BEECHAM'S PILLS.

In the Dublin King's Bench Division on September 7, Mr. Justice Dodd, as Vacation Judge, had before him again the case of Thos. Beecham, pill-manufacturer, St. Helens, Lancs., against Messrs. Marshall & Co., druggists, York Road, Belfast, in which plaintiff alleged that the defendants sold as Beecham's Pills pills which were not of plaintiff's manufacture. Mr. Chambers, K.C., on the part of the plaintiff, said this case was adjourned a week ago, when counsel appeared for defendants, but there was no opposition now before the Court. Counsel said he had to apply for an injunction to restrain the defendants and their servants, until the trial of the action, from selling any pills as Beecham's Pills which were not of plaintiff's manufacture. The affidavits in the case were similar to those read on the previous day (see *C. & D.*, September 4, p. 399). Counsel also said that there seemed to be a misapprehension on the previous day as to the manner in which Mr. Beecham distributed his pills. Mr. Beecham sold his pills in boxes of a larger size, but inside the box were a number of envelopes bearing the words "Beecham's Pills, four a penny," for the use of those who wished to retail them. What they alleged in this case was that the defendants used these envelopes by placing in them pills that were not Beecham's.—Mr. Justice Dodd said he would grant the injunction, and would make no order as to costs. He hoped the plaintiff

would speed the trial.—Mr. Chambers: I do not anticipate that there will be a trial, but we will speed it if necessary.

Sale of Food and Drugs Acts.

SAFFRON.

At the Mansion House Police Court, London, on September 9, A. J. McCabe, trading as McCabe & Co., chemists, 27 Great Tower Street, E.C., pleaded guilty to selling saffron adulterated with 17 per cent. of barium sulphate. On his behalf Mr. Lambert explained that three years ago he took over a chemist's business and this saffron was part of the stock. He had no idea that it was adulterated. Alderman Johnson imposed a fine of 5*l.*, and 1*l.* 3*s.* 6*d.* costs.

WHITE PRECIPITATE OINTMENT.

At the Victoria Courts, Birmingham, on September 4, Robert Halford, chemist and druggist, 301 New John Street West, Birmingham, was summoned, under Section 6 of the 1875 Act, for selling white precipitate ointment which was certified by the city analyst to consist of 91.3 per cent. of fat and 8.7 per cent. of zinc oxide. Mr. Prideaux, who prosecuted, stated that white precipitate was asked for by a purchaser at the defendant's shop, but a substance containing no white precipitate was served. As a motive for the offence Mr. Prideaux suggested that white precipitate, being a scheduled poison, has to be sold by a registered chemist, and at the time of the purchase defendant was absent, and the substance was handed to the customer by his wife. Defendant's son stated that his father was lying seriously ill when the purchase was made. A fine of 20*s.*, and costs, was imposed.

New Companies and Company News.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

STERO Co., LTD. (P.C.).—Capital 2,000*l.* in 1*l.* shares. Objects: To take over the business of W. Green, chemical engineer, Spansyke Street, Doncaster. W. Green is permanent governing director. R.O., Spansyke Street, Doncaster.

THATZIT, LTD. (P.C.).—Capital, 6,000*l.*, in 5,000 preference shares of 1*l.* each and 20,000 ordinary shares of 1*s.* each. Objects: To acquire the sole rights for the United Kingdom on "Thatzit," a chemical cleansing and polishing composition. The first director is L. Kelsey. R.O., 17 Waterloo Place, Pall Mall, London, S.W.

NATIONAL SOAP Co., LTD. (P.C.).—Capital 1,700*l.*, in 1*l.* shares. Objects: To acquire from S. Schmidt and A. Schmidt a secret process for the manufacture of soap, and to carry on the business of soap manufacturers, etc. The first subscribers are C. E. Stracey, Withington, secretary, and C. R. A. Valancey, Withington, C.A., who will appoint the first directors. R.O., Pendleton Mills, Croft Street, Pendleton, Lancs.

READ, HOLLIDAY & SONS, LTD.—The accounts for the past year show a gross trading profit of 24,737*l.*, and the directors have declared a dividend on the ordinary shares of 5 per cent. per annum (free from tax).

BISINE, LTD.—The shareholders of this company have agreed to the proposed sale of the whole assets, exclusive of and excepting the foreign patents and rights, to Mr. Alexander McIntosh, retired baker, 33 Royal Park Terrace, Edinburgh, the managing director of the company, on behalf of the Westminster Estates, Ltd. The consideration is to be 5,856 fully-paid preferred ordinary shares of 1*l.* each in a new company to be formed. The company's liabilities, not exceeding 1,300*l.*, are also to be discharged by the purchaser.

MORTGAGES AND CHARGES.—The following have been filed at Somerset House: *Mendine, Ltd.* 750*l.*, part of 5,000*l.* debentures.—*Murray, Lang & Co., Ltd.* 200*l.* debenture. Holder, Mrs. C. A. Noel.—*Copaquire Copper Sulphate Co., Ltd.* 200*l.* debentures.—*Electrolytic Alkali Co., Ltd.* 3,700*l.* debentures.

RECEIVERS WHO HAVE CEASED TO ACT.—A. Ednie, Crown House, Kingsway, W.C., for Anglo-Canadian Petroleum Co., Ltd. J. Lucas, 26 Birley Street, Blackpool, for E. Newsome's Mineral-water Co. (Blackpool), Ltd.

IMPORTS OF DRUGS INTO THE FRIENDLY ISLANDS DURING 1908 amounted in value to £94*l.*, against 1,053*l.* in 1907, and 495*l.* in 1906.

Birth.

GARNER.—At 40 Saville Road, Leeds, on September 5, the wife of Robert Garner, chemist and druggist (Messrs. Thompson & Capper, Leeds), of a daughter.

Marriages.

ABBOTT—WIMPORY.—At the Wesleyan Church, Clapton, London, N.E., on September 1, by the Rev. Thomas Rippon, Arthur John Abbott to Amy Minnie, second daughter of Mr. Edward Wimpory, "Glenfern," 162 Upper Clapton Road, N.E., and 131 and 132 Bunhill Row, Finsbury, London, E.C.

BOYD—YOUNG.—At Wallace Street, Galston, on September 2, by the Rev. James A. Hogg, B.D., Thomas Boyd, chemist, Maybole, to Jessie Menzies, only daughter of Mr. William Young, slater, Galston.

CAVE—PRITCHARD.—At Westbury, Bristol, on August 26, H. W. Cave, pharmacist, 372 Harrow Road, Bristol, to Ethel, youngest daughter of the late Mr. Edward F. Pritchard, Redland, Bristol.

DALL—AMBROSE.—At Queenstown Parish Church, on September 2, by the Rev. Canon Daunt, rector, John Dall, chemist, Bruntsfield Place, Edinburgh, to Sara, youngest daughter of the late Mr. J. Fisher Ambrose, Queenstown, Ireland.

DOWNIE—BROWN.—At the Douglas Temperance Hotel, Glasgow, on September 1, by the Rev. Donald G. Ross, M.A., James Walker Downie, chemist, to Catherine, eldest daughter of Mr. Walter Brown, 6 Ardgowan Street, Glasgow.

GRANT—HAMMERTON.—At St. Luke's Church, Darlington, on September 7, by the Rev. Francis Peacock, M.A. (Vicar of Holy Trinity, Darlington), Peter Grant, chemist, late of Hull, to Ruth Hammerton, also of Hull.

GRIER—WEBBER.—At the Union Street Wesleyan Church, Torquay, on August 30, by the Rev. James Rogers, James Grier, M.Sc., Ph.C., of Manchester, to Ethel, second daughter of Mr. and Mrs. Arthur Webber, of Torquay.

McLELLAN—KIDD.—At Alexandra Terrace, Lenzie, on September 1, by the Rev. Joseph Johnston, M.A., John Young McLellan, jun., chemist, Kirkintilloch, to Robina Boyd, second daughter of the late Mr. James Kidd.

PALMER—PICKARD.—At East Retford Church, on August 19, by the Rev. J. T. Munford, Archibald H. Palmer, chemist, son of the late Mr. Frederick William Palmer, chemist, Ramsey, Hunts, to Alice Mary, daughter of Mr. T. H. Pickard, Moorgate Hill, Retford.

Deaths.

HUGGINS.—At Wainfleet, on September 4, Mr. Robert Huggins, chemist and druggist, aged fifty-seven. Mr. Huggins was a prominent Methodist, a local preacher, and senior circuit steward. When the District Council was first established he was elected at the head of the poll, and held that office up to the time of his death. He was also a member of the Parish Council. He leaves a widow, three daughters, and one son in business as a pharmacist at Colne, Lancashire.

PICKUP.—At Manchester, on August 24, Mr. Robert Lansdale Pickup, chemist and druggist, Post Office, Newton Street, Manchester, aged sixty-eight.

SANGSTER.—On August 31, suddenly, Mr. Arthur Sangster, pharmaceutical chemist, of 141 Finchley Road, London, N.W., aged seventy-four.

TURNER.—At Aylesbury, on September 1, Mr. John Turner, pharmaceutical chemist, aged seventy-five. Mr. Turner, who was a native of Exeter, was apprenticed with Mr. F. W. Payne, chemist, at Aylesbury, in 1852, and subsequently purchased the business in Kingsbury. Twenty years afterwards he moved to Market Square, and ten years later retired. Mr. and Mrs. Turner celebrated their golden

wedding a year ago. The deceased gentleman was unusually active, and on his seventieth birthday walked from London to Aylesbury in a day. In addition to an active part in local matters, his hobby during retirement was painting, and he spent much time in copying pictures at the National Art Gallery.

WYCHERLEY.—At Aeshfield, Garstang Road, Broughton, on August 31, Mrs. Annie Wycherley, chemist and druggist, 27 Lancaster Road, Preston, widow of Mr. R. C. Wycherley, chemist and druggist.

Business Changes.

Properly authenticated business notices (not being advertisements) are inserted in this section free of charge if promptly communicated to the Editor.

MR. PETER STACEY, pharmaceutical chemist, High Street, Teddington, has now opened a branch in Kingston Road.

MR. P. HOWELL has purchased the business of Mr. W. H. B. Rouse, chemist and druggist, Walworth Road, Hitchin.

MESSRS. HOLZMÜLLER & SCHMIDT, drug-importers, of Paris and Calcutta, have removed from 36 to 13 Rue de Sévigné, Paris.

MR. J. R. HALL has acquired the business of Mr. G. A. Sanderson, chemist and druggist, 94 Richmond Road, Kingston-on-Thames.

MR. H. W. BARTLETT, pharmaceutical chemist, has purchased the business of the late Mr. T. M. Ninnis at 37 Crawford Street, Bryanston Square, London, W.

MR. GEO. W. SAWDON, pharmacist, has acquired from Mr. J. E. Bridgen, chemist and druggist, the Whipps Cross Pharmacy, 795 Lea Bridge Road, Walthamstow.

BOOTS, LTD., are about to open in Stodman Street, Newark-on-Trent, the alterations being well on the way. The handsome branch on Kingston-on-Thames is now open.

MR. HERBERT DYSON, pharmaceutical chemist (formerly with Messrs. Savory & Moore), has acquired the business carried on for over thirty years by the late Mr. Charles Bradley, Ph.C., at 46 Market Place, Reading.

THE DISPENSARY, LTD., of Singapore, have taken over as from July 1 the business of chemists and druggists hitherto carried on there by The Dispensary, and Mr. D. Timms, pharmacist, formerly of Barrow-in-Furness, has been appointed secretary and manager.

MR. ROBERT COOPER, who has had the agency of the Tasmanian Eucalyptus Oil Co. for the Manchester district during the past eighteen years has relinquished it, and Messrs. Denoual & Co., who are the company's wholesale agents, will cover the district by their travellers.

MR. J. O. STRINGER, chemist and druggist, Thames Street, Kingston-on-Thames, is opening a branch pharmacy in the High Street, Hampton Wick. The establishment is within a few doors of the premises lately occupied by Mr. J. Fraser, chemist and druggist, which are closed owing to fire.

MESSRS. BELL & RIDDLE, chemists, Market Place, Hexham-on-Tyne, will move shortly into new and more commodious premises at the Market Place end of Fore Street. The new site adjoins the original one on which Mr. Bell established the business since conducted for many years by his relative, Mr. W. R. Riddle, chemist and druggist.

BOOTS, CASH CHEMISTS, LTD., have purchased from Mr. W. F. Senior, pharmaceutical chemist, 10 Old Market Place, Ripon, the premises in which he carries on business and the stationer's shop adjoining. They are to re-construct the whole with a view to the conversion of the premises into a branch. Ripon has a population of 8,000, and after the branch is opened it will have four chemists' shops and two company shops (Taylor's Drug Co., Ltd., being at present in the town).

THE BARRON, HARVEYS & CO. BRANCH of the British Drug Houses, Ltd., at 5 and 6 Giltspur Street, London, E.C., will on this date (September 11) be removed to the company's new works at Graham Street, City Road, London, N. It is requested that on and after Monday, September 13, all communications intended for the Barron, Harveys & Co.

branch should be addressed to "The British Drug Houses, Ltd., Graham Street, City Road, London, N.," where the telephone number is 6123 London Wall (five lines.)

Trade Notes.

SEVERAL THERMOS FLASKS were taken by Dr. Cook on his journey to the North Pole.

MESSRS. WRIGHT, LAYMAN & UMNEY (1909), LTD., inform us that they have received a communication from Signor Fratelli Jung, of Palermo, stating that in future he will supply with his bergamot oil a guarantee that it is free from added esters.

MESSRS. HALL, FORSTER & CO., LTD., 6 Elswick Court, Northumberland Street, Newcastle-on-Tyne, have just published their first illustrated price-list of druggists' sundries, packed preparations, and other specialties. It is a handsome list of 106 pages, and is arranged in an orderly manner.

MESSRS. BURROUGHS WELLCOME & CO. have published in Esperanto a twelve-page illustrated booklet of their principal products. This booklet would make a good exercise for anyone wishing to practise the peculiar language which is binding together pharmacists of different countries. No doubt Messrs. Burroughs Wellcome & Co. would send copies to chemists and their assistants on application.

BUVO, LTD., are to exhibit at the Grocers' Exhibition at the Agricultural Hall from September 18 to 25, and they will be glad to send tickets to any chemists who would like to attend the exhibition and meet the representatives of the company there. "Buvo," it may be remembered from a description given in the *C. & D.* two months ago, is a new beef tea preparation, which is sold in packets, and many chemists already find it a popular and profitable article to sell.

SANITARY SOAP-STAND.—Messrs. S. Maw, Son & Sons, Barclay & Sone, Ltd., and other wholesale houses are now stocking a neat and light metal stand for putting in wash-stand soap-dishes to keep the soap from wasting. It is an octo-pedal wheel-shaped support with bright nickel surface, and is made by the Prosserian Co., Birmingham, of which Mr. J. W. Atkinson, chemist, Six Ways, Aston, is proprietor. The stand retails at 6d. (or 4½d. cut rate), and Mr. Atkinson gives all the little encouragements to sales which a retailer can conceive.

PNEUMATIC HOLDFAST SOOTHERS.—The Chemists' Sundries, Ltd., 15 Chapel Street, Manchester, have introduced a new soother for infants, made under Butterfield's patent, of which they are the sole proprietors and manufacturers. The peculiarity of this soother is that in addition to being absolutely secure, so that the child cannot by any possibility suck it into the bronchi, the teat is pneumatic and presents to the child's gums a soft yet resilient pad which is agreeable, and at the same time serviceable in assisting the cutting of teeth. The soothers are well made, and retail at 1d., 2d., 3d., 4d., 6d., and 1s. each, according to style.

BOVRIL has long since ceased to be merely a season article, for it is used daily in households, but Bovril, Ltd., usually inaugurate the increased demand of autumn and winter by a bonus scheme for retailers. They give particulars of this year's scheme in their advertisement on another page. It is a 5 per cent. cash bonus on the gross value of orders for Bovril and Vimbos sent, to wholesale houses or the company direct, between September 13 and October 31. The only conditions are given, and retailers are invited to communicate with the company at 152-166 Old Street, London, E.C.

ELLIMAN'S EMBROCATIONS.—Messrs. Elliman, Sons & Co., Slough, England, announce on the cover of this issue slight advances in the prices of their Royal and Universal embrocations; thus, the 1s. 1½d. size of Universal embrocation is 11s. 1d. per dozen, and the shilling Royal 10s. per dozen. In these and other cases the firm execute orders (assorted or not) of the value of 5l. 8s. and upwards at a discount of 10 per cent. for cash within twenty-eight days of the date of invoice. They retain the system upon which they have protected the prices of the popular sizes since before the P.A.T.A. started, and hint that the trade should

put up the retail prices in cases where the preparations have been sold below face-value. This is certainly an opportunity for levelling-up and getting the public to pay the advance.

MESSRS. P. BEIERSDORF & Co., 7-8 Idol Lane, London, E.C., in continuance of the policy inaugurated a few years ago, are extending their British department of packed and "own-name" specialities; the firm's well-known products, including court plaster, corn silk and plaster, corn-rings (ordinary and strap rings), belladonna, capsicum, and strengthening plasters, being put up in useful sizes with customer's own name and address. Beiersdorf's gutta plasters or guttapercha plaster-mulls, prepared according to Dr. Unna's formulae, are now obtainable at short notice, while leukoplast (zinc-oxide rubber plaster) is put up in London in sizes from 1d. upwards. A C. & D. representative learnt during a recent call that Pebecol tooth-paste is increasing in popularity, and chemists can obtain samples of it and showcards upon application.

BRANDED CORKS.—The engraving illustrates one of a series of corks which Messrs. N. W. Mitchell & Sons, Ltd., cork-manufacturers, "Bouchon" Works, Farrance Street, Limehouse, London, E., are now offering to chemists. The branding gives a neat finish to the cork, but the specimens which we have seen also show the brand on the side, and some have a monogram on the top instead of name, description, and town. The style illustrated is, however, most popular with chemists. The cost is trifling—viz., the price of the die (say, 7s. 6d.), then ½d. per gross or 3½d. per thousand. With such corks there is no trouble in finishing-off, and time is thus saved, while the cork advertises the chemist every time it is seen or handled.

A SHOW-STAND.—This engraving is a very much reduced photograph of a new "show-stand" which the Rubwel Co.,



Pendleton, Manchester, are offering to retailers of "Rubwel" ointment for the autumn and winter season. The card is 22 in. wide by 34 in. high, and is supported by an easel. It is an excellent piece of lithographic work, printed in eight colours, and is suitable for standing on the floor or in any other part of the shop. The colour-scheme is very striking, the wallpaper of the room having a yellow ground, while the carpet is cerise, the whole being finished with a brilliant varnish. Chemists who handle "Rubwel"

can get further particulars as to carriage of the show-stand, also window displays for the ointment, by applying to the company at Seedley Road, Pendleton, or to their agents, Messrs. Roche, Tompsett & Co., 4 Redcross Street, London, E.C.

Agri-Horticultural Poisons.

Subscribers and others would oblige us by sending information with reference to applications. Copies of newspapers containing the advertisements of applicants would also be esteemed.

Notices of Application

for licences under Section 2 of the Poisons and Pharmacy Act have been lodged with the local authorities named.

ARGYLL.—J. & E. Campbell, merchants, Dalmlaly.

MERIONETH.—R. Griffith, general dealer, Llanbedr.

Consideration of Applications.

DUBLIN.—The Public Health Committee report that the question in regard to poison-licences is one to be decided by the Council. The report is the result of deputations from the Pharmaceutical Society of Ireland which have waited upon the committee, and it contains the arguments for and against the system. It is also pointed out that of forty large towns from which replies had been received to queries

sent by the committee, twenty-nine of them had issued licences.

Applications Granted.

MACCLESFIELD.—The Health Committee's recommendation in favour of issuing a licence to Mr. D. Hanna, seedsman, came before the Town Council on September 1.—Mr. Sheldon, in moving that the application be granted, stated that "it is not the intention of Parliament to deprive seedsmen of the privilege of selling poisonous substances." The objections raised by various councillors were that plenty of facilities for obtaining poisonous preparations are already provided, and that the application should be refused since subsequent applications would have to be granted. It was mentioned that the medical officer did not approve of the recommendation, which was confirmed by twenty-four votes to fourteen.

SLIGO.—William Barlow, seedsman, Riverstown; Achoury Co-op. Agriculture and Dairy Society.

WORKINGTON.—The Town Council executed a *voite face* on September 7 in granting the applications of Messrs. J. H. Iredale, nurseryman, 47 John Street, and G. H. Johnston, 18 Wilson Street, as a previous application had been refused. A protest was sent in by the local Chemists' Association. During the discussion regret was expressed at not granting Messrs. Gibson's (the previous) application. Mr. G. A. L. Skerry, solicitor, once Coroner for the Lordship of Egremont, proposed that the applications be granted, the motion being carried almost unanimously.

Fees Fixed.

MACCLESFIELD.—Licence, 10s. 6d. Renewal, 1s. 6d.

Pharmaceutical Society of Ireland.

COUNCIL-MEETING.

THE Council met at 67 Lower Mount Street, Dublin, on Wednesday afternoon, September 1, at three o'clock. Mr. John Smith (President) was in the chair, and the other members of the Council who attended were Messrs. G. D. Beggs (Treasurer), J. H. Bowden, William Doig, James Michie, T. N. Moffitt, J. A. Walsh, and W. F. Wells.

After the minutes of the July meeting had been read and confirmed, the PRESIDENT mentioned that Mr. Batt, one of their members, had sustained a heavy bereavement by the death of his wife, and he moved that a resolution of sympathy on the part of the Council be passed and forwarded to Mr. Batt. Mr. WELLS seconded the motion, saying that Mr. Batt had been for a very long time a member of the Council, and they all sympathised with him.—The vote was passed unanimously.

THE PHARMACEUTICAL CONFERENCE.

The PRESIDENT stated that he and Mr. Wells, as delegates of the Council, attended the Pharmaceutical Conference which was held at Newcastle-on-Tyne. It was altogether a very successful function. The work undertaken was of a very useful and edifying character, and the social side of the Conference was not neglected. He was sure Mr. Wells would bear him out when he said that they had a right good time at Newcastle-on-Tyne.

POISONS AND PHARMACY ACT REGULATIONS.

A letter from the Clerk of the Irish Privy Council enclosed a copy of the revised Regulations under the Poisons and Pharmacy Act, 1908 (C. & D., July 31, p. 176).

The PRESIDENT said these regulations were a degree worse than the provisional regulations. Under the latter no one who held a grocer's spirit licence was eligible for a licence for the sale of agricultural or horticultural poisons. Under the new regulations he could have it, provided the premises from which the poisons are sold are separate from the rest of his premises.

Mr. WELLS: It will be a very nice thing to define what that is.

The PRESIDENT read Clause 5 of the regulations, which is as follows:

A licence granted to a person who shall be the holder of a licence for the sale of intoxicating liquors for consumption on the premises shall not authorise the licensee to sell or keep open shop for the sale of poisonous substances except

in a shop or building, or part of a shop or building, which is distinct and separate from the shop or building, or part of the shop or building, where the intoxicating liquors are either sold or consumed.

In other words, they can sell from a stable or other out-house.—The matter then dropped.

THE APPRENTICESHIP QUESTION.

The REGISTRAR read a letter which had been addressed by the Council to Mr. Birrell, Chief Secretary for Ireland, on the acceptance of apprentices' certificates from limited companies; also the Chief Secretary's reply thereto, and a letter on the same subject from Mr. J. Horner Haslett, representing certain companies, asking if the Council would be willing to submit a regulation to the Privy Council under existing powers, which regulation would enable a qualified director or manager of a limited company to issue a certificate of apprenticeship which would be accepted by the Society.

Mr. WELLS said the Chief Secretary's letter suggested that the matter was one for an "amicable arrangement." But how could there be an amicable arrangement when what the companies wanted could only be done by an Act of Parliament?

The matter was then discussed in committee, and it was resolved that the following reply should be sent to Mr. Haslett as representing the companies:

September 2, 1909.

Dear Sir,—My Council have had your letter of the 16th of July last under consideration, but, in view of the fact that the limited companies in Ireland are outside the scope of the Pharmacy Acts, the Council do not see how they can be expected to submit a regulation recognising the limited companies.

If, however, the companies are brought under the Pharmacy Laws, and the penal provisions of the Pharmacy Acts made applicable to limited companies, the Council would be prepared to draw up and submit a regulation dealing with the apprenticeship question.

I am, dear Sir, very truly yours,

ARTHUR T. FERRALL, Registrar.

J. Horner Haslett, Esq., M.P.S.I.,
13 North Street, Belfast.

OTHER BUSINESS.

A letter was received from Mr. Patrick Beauchamp Dooley, who had passed the Preliminary examination of the Apothecaries' Hall, desiring Preliminary registration.

Dr. WALSH: Is that examination recognised by the Medical Council?

Mr. BEGGS: No.

The PRESIDENT said it was desirable to hold the application over.

Dr. R. M. Bronte, M.P.S.I., was re-elected examiner to conduct the chemistry division of the Pharmaceutical Licence examination.

The following were, on the motion of Mr. BEGGS, seconded by Dr. WALSH, elected members of the Society: Mr. John Beatty, Clones; Mr. John J. Cole, Cavan; and Mr. R. W. Hayes, Galway.

The following were nominated for membership: Mr. Allan M. McCurdy, Belfast; Mr. Joseph J. O'Brien, Clapham Road, London, S.W.; Mr. James O'Brien, Athlone; Mr. John Hely, Cappoquin; Mr. John Warren Gray, Armagh; and Mr. Charles Victor Bolton, Lisburn.

This was all the business, and the Council separated.

October Examinations, 1909.

APPLICATIONS for the undermentioned examinations should be lodged by 11 A.M. (at the latest) on the respective dates:

Preliminary examination on Thursday, September 23.

Registered Druggist examination, on Tuesday, September 23.

Pharmaceutical Licence examination, on Wednesday, September 29.

Pharmaceutical Chemists' Assistant examination, on Monday, October 4.

A HIGHAM PARK CHEMIST tells us that he overheard the following question and answer outside his pharmacy the other day: "What is a pharmacist?" "One who tells your fortune, ain't it?" (22/11).

Deutscher Apotheker Verein.

THE annual meeting of the German Pharmacists' Society in Berlin this week has been distinguished from others of the kind by the opening of the Vereinshaus, a magnificent building in Dortmunderstrasse, which has been erected by a limited company, combining representative German pharmacists and their associations, the Deutscher Apotheker Verein being interested in it to the extent of 1,660,000m. The Verein will take up its quarters in the house towards the end of this month, and the premises will also accommodate the trading company of German apothecaries, the Berlin Pharmaceutical Association, and the Credit Association of German Pharmacists, together with various trading firms. The opening of the Vereinshaus took place at midday on Sunday, September 5, in the presence of a distinguished company, including Herr Geheimrat Bumm, President of the Imperial Health Office; Herr Geheimrat Froelich, representative of the Prussian Ministry of Education; Herr Geheimrat Wehmer, representative of the Berlin Police; Herr Stadtrat Münsterberg, for the City of Berlin; Herr Jangclaussen, for the Berlin Chamber of Commerce; and Professor Tschirch, Bern, for the Swiss Pharmacists' Association. Besides, there were present numerous professors of the German Universities, such as Geheimrat Schmidt, of Marburg; Professor Scholz, of Greifswald; Professor Kassner, of Munich; Professor Frerichs, of Bonn; and Professor H. Thoms, representing the University of Berlin. Dr. Salzmann, President of the Verein, opened the proceedings with half-an-hour's discourse on the development of German pharmacy, in which he pointed out the prejudicial effects on pharmacy of the competition of druggists, the development of chemical-manufacturing industry, and, to a large extent, the social legislation of Germany with reference to trade in medicines. Pharmacy will not, however, he said, "give up the ball," but will continue its endeavours for advancement not only in an economical but in a scientific direction.

Herr G. Bumm, in responding to these remarks, expressed his satisfaction that German pharmacy has not lost its self-confidence, but by the foundation of the Vereinshaus has expressed in an excellent manner its faith in itself. The President had hoped that in this beautiful house not only commercial interests would be promoted, but that science would also find its home. That this will indeed be the case is certain in view of the fact that the great Apotheker Verein will have its headquarters here, and will issue from here its scientific publications.

Herr G. Froelich, as representative of the Prussian Educational Ministry, then presented Dr. Salzmann and Dr. Calliess (Treasurer of the Verein) with orders of distinction. Herr G. Jacob, President of the Prussian Chamber of Commerce, spoke on the relations of German apothecaries to commerce, and Geheimrat Wehmer presented the greetings and the wishes of the Berlin Police Direction. Herr Stadtrat Münsterberg referred to the excellent relations between Berlin pharmacists and the town administration, and mentioned with satisfaction that a number of pharmacists have posts of honour in the administration of Berlin, and work admirably in the service of the city.

At the conclusion of the speeches the building was inspected, and an excellent exhibition of chemical and pharmaceutical apparatus, medicines, and articles accessory to pharmacy, arranged by Dr. Fränkel, was opened. The visitors then assembled for a banquet in the house, on which occasion Dr. Salzmann proposed the health of the Kaiser, and Professor Thoms that of the guests of honour. In his speech, Professor Thoms laid particular stress on the fact that the façade of the house is adorned with the reliefs of a number of important men connected with pharmacy, such as Mohr, Plückiger, H. Rose, C. Brunnengräber, Sertürner, and Duflos as representatives of practical as well as scientific pharmacy, and this indicates the spirit that is to govern the house. In concluding, Professor Thoms referred to the interest that foreign countries show in the endeavours of German pharmacists.

to establish an association house, and, in concluding, stated that M. Ferrein, of Moscow, had authorised him to expend a further sum of 500m. for the decoration of the Festive Hall. Professor Tschirch and Herr Hagenbeck also spoke.

The annual meeting of the Verein was held in the Philharmonic Hall, beginning on Tuesday and continuing until Thursday. This was the third time that the members have met in Berlin since its foundation in 1871, the last occasion being in 1888. The Verein has now a membership of 4,445, and funds amounting to 880,000m. Among the questions discussed was the regulation of the practice of pharmacy in the empire, the Verein calling for imperial legislation as being absolutely necessary to the undisturbed development of the profession. With regard to the question of Government insurance the Verein is satisfied with the proposed inclusion of pharmacists' assistants in the Government project of illness and disablement insurance. In regard to the medicine tariff (dispensing charges), the President expressed the opinion that the existing tariff in the case of the average apotheker does not correspond with the continual rise of prices in all necessities of life, and the tariff should be raised. In addition to the sessions of the Verein there were also meetings of the Contributory Pensions Club and of the Specialities and Trade-marks Association. On Thursday at the Hofmannhaus Professor Thoms delivered an experimental lecture on "Sources of Energy for Chemical Processes."

London Chamber of Commerce.

CHEMICAL-TRADE SECTION.

A MEETING of this Section was held at the offices of the Chamber, Oxford Court, Cannon Street, E.C., on September 7, Mr. John C. Umney in the chair. There were also present Messrs. David Howard, E. J. Millard, H. E. Stevenson, T. A. Marshall, W. H. Parker, Ralph S. Gosnell, C. A. Hill, Donald Mackenzie, C. J. Fairfax Scott, C. A. Holderness, C. A. Mercer, T. Tyrer, and Mr. C. E. Musgrave (Secretary). The minutes of the previous meeting were read and approved of.

ELECTION OF OFFICERS.

Mr. David Howard proposed the re-election of Mr. John C. Umney as chairman, and spoke in high appreciation of that gentleman's services to the Chemical-trade Section—sentiments which were cordially echoed by the seconder, Mr. E. J. Millard. The motion was carried with acclamation.

The Chairman proposed that Mr. D. Lloyd Howard be re-elected vice-chairman, and this was unanimously agreed to.

THE CHAIRMAN THEN BROUGHT FORWARD THE QUESTION OF THE COUNTERVAILING DUTIES ON ALCOHOLIC DERIVATIVES.

He stated that when the matter was dealt with at a previous meeting it was found that the new duties on choral hydrate and other alcoholic derivatives varied considerably, and the Chamber addressed a letter to Sir T. E. Thorpe asking him to make inquiries as to the quantities of alcoholic derivatives manufactured in this country, as the Chamber thought the Government Laboratory could do it more satisfactorily. To this Sir T. E. Thorpe replied, requesting the aid of the Section in collecting such information. The matter was discussed at the meeting on July 6, when Mr. Tyrer was deputed to prepare a draft for circulation to all members interested. The statistics were sent to Sir T. E. Thorpe, but the Chamber had heard nothing further on the subject. No doubt the duty on choral hydrate would be made strictly countervailing, especially under the present Government, and the other discrepancies would probably be made straight, so that the present manufacture would in no way be protected.

Mr. David Howard said it is an extraordinary fact, which few know, that it is illegal in this country to make absolute alcohol, but he admitted that Germany makes it so cheaply that there is little inducement to make it if they had permission. Neither is it legal to make absolute methylated

spirit, which is an extraordinary anomaly in view of the fact that it enters into the preparation of a vast number of medicines.

The Chairman: But you may make absolute ethylic alcohol?

Mr. Howard: Not without a proper rectifier's licence—a compounder's licence does not help the individual.

The Chairman suggested that the Government should make the next move, and further action was deferred, pending a reply from Sir T. E. Thorpe.

JOINT SPIRIT COMMITTEE.

The Chairman then read a letter from the Society of Chemical Industry giving the names of the gentlemen nominated as the Society's representatives on the Joint Spirit Committee of the S.C.I. and the Chamber. The committee comprises Sir F. Nathan, Professor Meldola, Dr. J. Lewkowitsch, Mr. David Howard, Mr. W. F. Reid, Mr. A. Gordon Salamon, and Mr. T. Tyrer (who acts as convener). The Chairman stated that the Chamber had already nominated their members of the Joint Committee with the Society of Chemical Industry. The Section then turned its attention to the subject of

RAILWAY RATES FOR DRUGS

and the question of the consignment of druggists' goods at "owner's risk." The Chairman stated that representations have been made to him that the present railway rate for the consignment of drugs in hampers is extremely high, and that it is desirable that the railway companies should be approached with a view either of classifying drugs in hampers, and even in casks, at lower rates than at present, or of arranging that these can be consigned at a reduced rate by 15 to 20 per cent. at owner's risk. There are many reasons, he said, for reconsideration of the whole subject. Doubtless it was originally thought by the railway companies that owing to the mixed nature of the consignments, and the fact that very many are solids and liquids packed in glass, there is considerable danger of breakage; but inquiry throughout the wholesale drug-trade, which was undertaken by the Secretary of the Drug Club, shows that the total amount claimed for breakage averages less than 1 per cent. of the amount paid for carriage during the year—an extremely low proportion. Moreover, many articles formerly put in glass and earthenware are now packed in waterproof paper and tins. It is doubtless supposed that the money-value of the mixed consignments is comparatively high. An inquiry which he (the Chairman) instituted throughout the trade led him to the conclusion that the invoice value is not higher than 6½d. per lb. of packed consignment, which is a very low money-value indeed. It is of interest to all branches of the drug-trade to know the very considerable depreciation that has occurred in the all-round value of drugs, chemicals, etc. He had taken an order as received by his company this week and priced it with a price-list of Herrings & Co. dated 1867, and the value amounted to 15l. 10s. 5d. Priced by a list of Wright, Layman & Umney, 1880, it was 14l. 5s. 6d., and by this month's list it amounted to 7l. 1s. 9d. This point has to be specially borne in mind in considering the rates of consignment now ruling in other trades, of which he gave the following examples:

- Drugs in hampers and in cases are in Class 4.
- Drugs in casks are in Class 5.
- Sauces are in Class 2.
- Foods in any package are in Class 2.
- Fruit-essences in hampers and cases in Class 3.
- Confectionery in cases in Class 2.

He took it that practically the whole of these goods are of as high or higher money-value than drugs, and as liable to damage in themselves or to the goods consigned near them. The relative freights on articles is to a large extent based upon money-value, as evidenced by the fact that bicarbonate of soda is in Class 2, while cream of tartar, tartaric acid, and similar articles are Class 3. He also referred to empties, which are carried by the railway companies on the basis of weight. If a rebate for freight at owner's risk is made on consignments in hampers, then this would be an appreciable advantage to the railway companies, as hampers returned can be nested and take up much less wagon and cart space. Personally he was strongly of opinion that representation should be made to the railway companies

that in view of the intrinsic value of the consignments, and the extreme care taken by the wholesale drug-trade in packing of same, as indicated by the low percentage of breakages, drugs in casks should in future be classed in Class 2 and drugs in hampers in Class 3, and where either are consigned at owner's risk, then a rebate of 15 per cent. should be made from the rates so charged. The alternative clearly is for traders, unless some considerable concession be made, to use the motor method of distribution.

Mr. David Howard said the most amazing fact in the matter is the way in which prices had fallen, and that applied quite as much to the chemical as to the drug trade. He had had a good deal to do with the present classification of chemicals and drugs in 1890, and although there had been no revision since then, a great decline in prices had taken place, about the only exception perhaps being camphor. The railway companies seem to have regarded their goods as fancy articles, and the tradition prevailed that they were dangerous. In regard to goods sent at "owner's risk," where the buyer pays the freight the question would arise, in case the goods were damaged, as to who the owner is, and at what stage the seller ceases to be the owner. Very great care would be required in preparing the consignment sheets.

Mr. E. J. Millard said that the proposal to carry goods at owner's risk is an alternative or optional one in case no concessions could be had from the railway companies.

The Chairman said the suggestion is that they should only ask for power to have "owner's risk" rates, but in the case of drugs and chemicals they clearly had a case for absolutely lower rates, and they wanted the classification revised on its merits.

Mr. Tyrer asked the Secretary if other trades had similar grievances as the chemical-trade on the question of rates. He understood that several trades are moving in this direction.

The Secretary replied they had many such cases, and suggested that matters might be helped by making a common grievance in the way of a joint deputation to the Railway Clearing-house. This proposal, however, did not meet with approval, both the Chairman and Mr. Tyrer believing they would weaken their own case by the addition of other trades.

Mr. C. A. Hill said the Northern Wholesalers' Association wished to co-operate in this matter with the Drug Club in asking for the privilege or option of consigning goods at "owner's risk," goods so consigned to be subject to a rebate of 15 per cent.

After further remarks from Mr. Howard and Mr. Stevenson, the following resolutions were submitted by the Chairman, seconded by Mr. Tyrer, and adopted:

That a memorial be sent from the Chemical-trade Section of the Chamber of Commerce to the railway companies, asking them to revise their classifications and to place drugs in cases and casks in Class 2 and drugs and hampers in Class 3; and that they also be asked to consider rebate on consignment at "owner's risk."

That a sub-committee be appointed to consider the question of the reclassification of drugs and chemicals and of "owner's risk," and to draft a memorial to the railway companies on both questions, if considered desirable, and to obtain signatures thereto from the trade generally.

That the Secretary of the Chamber of Commerce be requested to forward the memorial to the Railway Clearing-house.

Mr. C. A. Hill, Mr. T. Tyrer, and Sir Edward Evans, with the Chairman and Vice-Chairman *ex officio*, were appointed as a sub-committee.

U.S.A. IMPORT SPIRIT-DUTY.

The final item on the agenda was to consider a complaint that the United States Customs officers were claiming an *ad valorem* duty on perfumes and toilet-waters upon the wholesale selling-price in England—viz., the country of manufacture—and to decide whether any action can be taken with the object of obtaining an alteration of this practice. This complaint, the Chairman said, arose from a letter sent to the Chamber by Messrs John Gosnell & Co., Ltd., who stated that the United States Customs were claiming an *ad valorem* duty not based upon their export invoice-price, but on the wholesale selling-price in this country. This price, of course, included the English duty, and would make a considerable differ-

ence in the actual cost laid down in the United States. In one line of toilet-water in 6-oz. bottles invoiced at 27s. per dozen in bond, less 10 per cent. and 20 per cent., the Customs demanded duty on the selling-price in this country, which was 36s. per dozen, less 10 and 10 per cent. Messrs. Gosnell pointed out that the difference in price works out at about 9s. 6d. per dozen, which would be approximate to the duty on this side of half a gallon of spirit. Inquiries had resulted in no remedy being obtained, and Messrs. Gosnell thought it might be possible for the Chamber to take some action, as it was looked upon as a very unfair method of taxing English perfumery. The Paris Chamber, they said, had already taken some action, and if concerted action were taken some ultimate good might result. In reply to Messrs. Gosnell's correspondence the Secretary said the question was not a new one, and there did not appear to be any possible chance of successful representation to the American authorities, as they had laid down that for duty-purposes the market-value is to be based upon the wholesale price of the goods for home consumption in the country of export. Messrs. Gosnell then suggested that the matter might be brought before the next meeting of the chemical section, and this was accordingly done.

In the discussion, Mr. Ralph Gosnell stated that American import firms are endeavouring to obtain redress from their side, but of course there are a large number of manufacturers in the United States who would prefer matters to remain as they are.

Mr. Millard proposed that the Board of Trade should be approached, and eventually it was decided to have a letter drafted by the Chamber in general terms dealing with the matter. This was all the business.

Inequality of Railway Rates.

IN the case of many chemicals and drugs railway-carriage charges constitute a greater portion of the price when sold delivered than once was the case, and there is every reason to believe that traders in many parts of the country have an advantage over others with respect to these charges. To give the reader a proper insight into the matter it may be as well to mention that railway rates are divided into eight sections or classes, and those which principally relate to chemical and drugs are C, 1, 2, 3, and 4 rates. The class C rate includes such goods as carbonate of iron and lime, etc., class 1 includes carbonate of ammonia, class 2 carbonate of magnesia and potash, etc., class 3 drugs in casks, and class 4 drugs in crates, etc. Class C includes the following charges in the rate:

Station terminal charges for use of the railway company's stations, etc.

Conveyance rate charges for transport over the railway, which includes the charges for use of the railway company's wagons, charges for covering and uncovering with railway company's sheets, and loading and unloading.

Classes 1, 2, 3 and 4 include all the charges as for class C, and also the charge for cartage at the forwarding and receiving ends (within the ordinary boundary). The following series of tables furnishes a convenient basis for consideration of the subject:

TABLE 1.—MAXIMUM STATION TERMINALS.
Class 3 (per ton).

Station Terminal	at each end	Loading	Unloading	Covering	Uncovering
	s. d.	s. d.	s. d.	s. d.	s. d.
	1 6	1 0	1 0	0 2	0 2

TABLE 2.—MAXIMUM CONVEYANCE CHARGES.
Class 3, per ton per mile for transit over the railway.

For the first 20 miles or any part of such distance	For the next 30 miles or any part of such distance	For the next 50 miles or any part of such distance	For the remainder of the distance
3.10d.	2.65d.	2.00d.	1.80d.

Note.—These conveyance charges are not universal over all railway companies' lines, as they differ, sometimes being slightly more than the above figures and sometimes fractionally less. The variation is shown in the next Table.

TABLE 3.—VARIATION OF RATES.
Conveyance charges for Class 3 goods per ton from Bristol to the cities specified.

	Distance	Charge per Ton
		s. d.
(1) London	118½ miles	75 1
(2) Birmingham	87½ "	23 7
(3) Manchester	166 "	42 0
(4) Leeds	202 "	44 9

TABLE 4. (To compare with 3.)

Miles	Station Terminals	Service Terminals	Cartage (approx.)	Maximum Conveyance Rates ac- cording to actual mileage	Total
	s.	s. d.	s.	s. d.	s. d.
(1) 118½ ...	3	2 4	6	23 0	34 4
(2) 87½ ...	3	2 4	5	18 2	28 6
(3) 166 ...	3	2 4	5	30 1	40 5
(4) 202½ ...	3	2 4	4	35 6	44 10

Table 3 represents the railway rates at present actually in operation between the places mentioned. Table 4 represents the rates as calculated upon the basis formed by the maximum service and station terminals *plus* the maximum conveyance rates and an approximate allowance for cartage when in any of the classes 1, 2, 3, and 4. It will be seen that the Birmingham rate worked out on the maximum-figure basis is more than the actual rate in operation. The London, Leeds, and Manchester rates are, when an allowance is made for a difference in cartage, which often varies, about equal. The Birmingham case is an instance where the inequality and inconsistency of certain railway rates becomes apparent, and the reader will readily understand that some traders have, to a great extent, an advantage over others in respect to railway-carriage rates. In the instance quoted the Birmingham rate in operation is 4s 11d. below the maximum-basis rate. There is not much difference between the rates in operation and the maximum-basis rates, so that the trader must naturally ask the question, Why are the ordinary railway-carriage rates cheaper in one part of the country than they are in another? The only inference that can reasonably be drawn is that the railway rates require some adjustment, as there is every reason to believe that there are innumerable instances similar to the Birmingham one. These disproportionate railway rates must cause a certain amount of hardship to many traders, but it seems probable that unless action is taken through Parliament, railway rates will remain as they are at present constituted for some time to come.—(155/70.)

The Confectioners' Exhibition.

THE Confectioners', Bakers', and Allied Traders' Exhibition and Market is being held this week at the Royal Agricultural Hall, but we cannot say there is much of direct interest to pharmacists, although a few firms whose interests are more or less allied to those of the drug-trade are exhibiting, and these we note.

BRITISH AUTOMATIC AERATORS, LTD., make a special exhibit of the Consol patent automatic aerator, also syphon-fillers, fruit-syrups, and flavouring essences. W. GARDNER & SONS (GLOUCESTER), LTD., have a complete display of their "Rapid" sifters and mixers in one of the bays, prominence being given to the patent automatic flour blender and sifter. THE NATIONAL CASH-REGISTER CO., LTD., occupy a special position in the centre of the Great Hall, where their representatives are busily employed explaining the latest models of cash-registers and autographic tills. In the gallery Mr. THOMAS O'BRIEN has a full range of check-tills, his latest novelty being a two-drawer receipt-giving self-closing check-till providing separate locked drawer for each assistant. These tills print date and deliver receipts or coupons by the simple opening of the drawer. PARNALL & SONS, LTD., shopfitters for all trades, make a representative display of shopfittings, window-fittings, show-stands, weighing-machines, balances, and utensils for bakers' and confectioners' use; in fact, their exhibit is as complete as that which they make for chemists. JULES LANG & SON exhibit in the arcade show-glasses, bottles, jars, etc., of all kinds, but on this occasion mostly for confectioners' use. The firm specialise in malt-extract bottles, pill-tubes, lozenge-jars, limes, Mexican flats, and so on. At the stand of the LAMSON PARAGON SUPPLY CO., LTD., check-books, self-binding systems, receipt-books, paper bags and wrapping-papers are the prominent features. ROTHSCHILD & BAKER have an assortment of light trucks and barrows specially constructed for bakers' use. This firm specialise in chemists' trucks, the one we examined being fitted with ordinary wooden wheels, but patent rubber-tyred spider wheels may be had if desired.

Vermin-exterminators are represented by DANSYZ VIRUS, LTD., the sale of which virus in the confectionery trade is increasing largely. In the leaflet which the company issue they tell of how three London tube railways were cleared of rats. THE READY RAT RELIEF VIRUS CO. have also a stand, combined with that of THE LONDON CHEMICAL CO. and THE AMERICAN COCKROACH AND BLACKBEETLE SOLVENT CO.

PAINE & Co., the proprietor of the "John Bull" malt products, call particular attention to their "Paco" diastase extract, which they claim to be exceptionally rich in diastase, having a minimum of 100° Lintner, and also their new malt and cod-liver oil combination. Their other specialities include "Paco" "John Bull" malt extracts and "Paco" diastase flour. THE BRITISH DIAMALT CO. have two exhibits at which they show their highest-class diastasic malt extract, the advantages of which have already been referred to in these columns; and THE BRITISH MALT PRODUCTS CO. have an octagon stand with a full display of Lothian malt extract for brown and white bread, while a special position is allotted to EDME, LTD. THE DRY PRODUCTS SYNDICATE, LTD., show "Eggo," which consists of dried fresh eggs in powder form, the process preserving the egg in a condition identical with its natural state. CASEIN LTD., have a neat display of dry milk, by-products of milk in powder form, and egg-powder and substitutes. Trumilk is fresh cow's milk in powder, and is restored to natural liquid milk by adding water, its flavour and appearance being the same as new pasteurised milk. The company also show "Crysova egg," a powder which is claimed to be of greater actual food value than the egg. THE NATURAL FOOD CO. make a feature of Dr. Allinson's whole-meal bread, flour, and biscuits, the advantages of which have been previously noted in these columns. THE LONDON ESSENCE CO., as is usual, have a fine display mainly of flavouring-essences, floral ottos, perfumery, colours, etc., used in confectionery. Among the several novelties which the company have recently brought out are the flavouring-essences of grenadilla, mangosteen, and raspberry and honey cream, which are meeting with a good reception. The company have also introduced a special ginger-ale preparation for the manufacture of ginger-ale powder, which is a very good substitute for lemonade powder; and finally there is a new otto odour for cachous, known as "New Favorita," which gives a very fine flavour and aroma. GEORGE MORRIS has a large assortment of his pure, harmless colours specially prepared for the confectionery trade and manufacturing chemists, these including gelatin, gum, jube, lozenge, cream and fondant, boiling, etc. C. TOLKIEN & Co. show confectioners sundries, essences, edelweiss powders, paste and chocolate cream, etc.; and THE COMET CHEMICAL CO. show patent non-specky egg-colours, cream-of-tartar, and tartaric-acid substitutes, the sale of which under various designations is increasing. One of the many is "Femena," shown by THE FERMENTINE CO.

Dental Exhibition.

AN International Dental Exhibition, promoted by the Society of Extractors and Adapters of Teeth, was opened for five days at the Royal Horticultural Hall, Westminster, London, S.W., on September 6. It was, while it lasted, a bright little exhibition, and we append notes on what a C. & D. representative saw on the opening day.

AMERICAN DENTAL MANUFACTURING Co. exhibited their "True Alloy" pin-teeth, which they claim are a perfect substitute for platina.

CLAUDIUS ASH, SONS & Co. had an admirable display extending the full width of one end of the hall, divided into the following sections: Teeth, precious metals, dental electrical apparatus, anaesthetic apparatus, instruments, dental furniture, tools, sundries, and books. One side of this exhibit was occupied by MESSRS. PARKE, DAVIS & Co.'s preparations, under the charge of Mr. H. A. Wilson, in which euthymol and euthymol tooth-paste bulked largely. Ampoules of adreulin preparations (including Eudrenine, which is extensively used by dentists), hypodermic syringes, and P., D. & Co.'s peroxide of hydrogen were also represented.

ARNOLD BIBER had a varied assortment of gold seamless crowns, filling-materials, and other dental products from precious metals. Biber's "Guinea" casting outfit attracted attention.

BIRMINGHAM DENTAL SUPPLY Co. exhibited platinum pin-teeth and diatorics, as well as "Dentocain," a local anæsthetic prepared by Mr. H. E. Cullwick, pharmacist, Wolverhampton.

GEORGE CHALK & Co. had a neat exhibit in which Steele's interchangeable teeth, Steele's bridge-repair outfit, and aseptic glassware (bottles, stands, and sterilisers) were prominent, as well as Dr. A. Fenchel's Perlux (silicate cement), and Compensation amalgam, Aponia (local anæsthetic), Portland plastic gold, Jameson's "horn rubber," and dental instruments generally.

THOMAS CHRISTY & Co. exhibited Glyco-Thymoline, for which the firm are the sole British agents, and which is now a familiar object in most dental surgeries.

COTTRELL & Co. showed a varied assortment of dental furniture, teeth, and sundries. Their card system of dentists' bookkeeping was a special feature.

DENTAL MANUFACTURING Co., LTD., in a comprehensive display, included the novelty of the exhibition in the form of an artistically fitted dental surgery, in which all the instruments, though concealed, were within easy reach. Even the anæsthetic gas-bag was of the things that are not what they seem, as in this case it resembled a large silk handkerchief. The exhibit also comprised dental instruments, tools, and furniture, besides teeth (with platinum-cased pins), mineral pin-teeth and diatorics.

W. EDWARDS & Co. DEPOT, LTD., showed Excelsior modelling-wax, impression-composition, amalgams, Apollo rubbers, and other dental sundries.

ELLIOTT & Co. exhibited all kinds of dental supplies, Paragon diatorics, dental rubbers, and temporary guttapercha fillings. The "Universal" platinum pin-teeth and Graft's base-plates were other items in a good exhibit.

GEORGE KEENER & Co. showed dentistry publications.

T. LEMALE & Co. had a general display of teeth, dental furniture, instruments, and sundries.

FRANCIS LEPPER, LTD., exhibited the electrical apparatus, furniture, local anæsthetics, and other articles usually required in dental work.

MEYER-SANDER DENTAL SUPPLY Co. gave the Mysantal tooth-brush and Mysantal tooth-preparations a prominent position. It will be recalled by C. & D. readers that the brush conforms in construction with modern aseptic ideals, and is also anatomically correct. Dr. Speier's silicate cement, engine and hand dental instruments, burs, and anasthol (ethyl and methyl chlorides) were also exhibited.

MIDLAND DENTAL MANUFACTURING Co., LTD., in an extensive range of goods, exhibited Excelsior pin-teeth (solid platinum pins), rubbers, instruments, dental engines and furniture, and electrical appliances.

PENNSYLVANIA DENTAL MANUFACTURING Co. devoted their stand to "Blue Spot" platinum-cased pin-teeth and Phila compo pin-teeth.

C. J. PLUCKNETT & Co., LTD., filled the spaces between their exhibit of dental fittings and furniture with tools, instruments, rubbers, compositions, and fillings, the whole forming a compact and useful display.

THE SACCHARIN CORPORATION, LTD., exhibited large show-jars of novocain, the non-irritant and non-toxic substitute for cocaine in dental local anæsthesia, as well as suprarenalin, combinations of novocain in ampoules and original bottles.

SCHNEIDER & Co., LTD., showed Ascher's artificial enamel, Dr. Scherer's tricoresol-formalin paste, and Dr. Buckley's tricoresol-formalin solution, a combination for treating putrescent pulps.

A. G. TAYLOR & Co. showed amalgam, pearl enamel cement filling, pearl silicate cement, Lion pink rubber, engine burs, Universal forceps, and dental sundries.

C. DE TREY & Co. showed teeth by the thousand, ranged in rows on the four sides of a spacious exhibit. "Revelation" (platinum-pin) teeth and "Twentieth Century" (composition pins with platinum anchorage) teeth, and diatoric teeth were the staple of the exhibit. Trey's alloy, Caulk's petroid cement, Calxine (temporary filling), Mylocal (a local anæsthetic), Somnoform, and Clark's fountain spittoons were also on their stands.

A. B. WALSH & Co. had a general exhibit, including dental chairs and cabinets, engines, fountain spittoons, vulcanisers, instruments, and tools.

It was noticeable that Messrs. Burroughs Wellcome & Co.'s "tabloid" and "soloid" products were exhibited on a number of the stalls, and demonstrations were given at frequent intervals by some of the exhibitors in regard to such work as dentures and the use of artificial enamels and inhalation-apparatus.

On Tuesday the annual meeting of the Society of Extractors and Adapters of Teeth was held in the Council-chamber of the buildings, and was fairly well attended, operators having come from the provinces for the occasion.

INFORMATION DEPARTMENT



The object of this department is to supply our subscribers with the names and addresses of manufacturers and agents, or other business information which they may be in need of. Inquiries should be sent by post, addressed to the "Information Department of 'The Chemist and Druggist,' 42 Cannon Street, London, E.C." The information is supplied in most cases from references in our private registers; if not immediately obtainable, an inquiry is inserted free under "Information Wanted" in the next published issue of "The Chemist and Druggist." Urgent inquiries by telegraph or telephone are attended to, but they should, when possible, be confirmed by post.

Inquiries in regard to dispensing, legal, practical, technical, or other pharmaceutical subjects should be addressed to The Editor, who will reply to them in the Correspondence Columns.

Information Wanted.

We would be obliged if readers would reply, by postcard or otherwise, to any of the subjoined inquiries. Replies should be addressed to the "Information Department of 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

- 151/46. "Antiseptic Shaving-blocks," actual makers?
- 142/21. "Andalusian Scent-tapers," where obtainable?
- 150/54. "Whirlwind" spray, agents for?
- 151/1. "Sunbeam Lotion," who makes?
- 153/28. "Arseniol," makers or agents?
- 151/62. "Manning's Extract of China," where obtainable?
- 160/64. "Aquiloids" or "Aquiloids," where obtainable?
- 159/57. Makers of "Jackson's Eucalyptus-wax"?
- 160/66. What is "Cupmours," given in Warwickshire for coughs, and where may it be obtained?
- 161/5. Manufacturers and packers of Glycero-heroin pastilles in "own-name" boxes?

Information Supplied.

In reply to inquiries, information has been sent to subscribers and others by our Information Department in regard to the following subjects. The information will be repeated to any others requiring it who send a stamped and addressed envelope for the purpose to the Information Department as above. The subject of the inquiry and the registration number should be exactly quoted.

- | | | |
|--------------------------------|-------------|-----------------------------------|
| Anti-smoking | Chewing-gum | Lentil, suppliers (153/57). |
| (189/17). | | Monopole soap, British agents |
| "Blatcho" beetle-paste, makers | | (152/44). |
| (154/47). | | Pearson's toilet soap (59/26). |
| B.O.A., Diploma (154/28). | | "Queen Mab" vaporisers |
| Braggi's Omnicura (156/52). | | (155/53). |
| Cards for sundries (157/49). | | Queen's powder leaves (155/52). |
| Dishorner for cattle (159/25). | | Sarg's glycerin, makers (155/51). |
| Flammalene, makers (158/70). | | Schieffelin's agents (151/72). |
| Gre-Solvent, makers (153/70). | | Sterilisable enema, douche and |
| "Scientific Mysteries," odd | | injection bottle (158/2). |
| copies of (188/23). | | Sterilised milk for export |
| Johann Hoff malt-extract | | (155/23). |
| (153/50). | | Waxes (various), wholesalers |
| Knives, scissors, etc., makers | | (154/48). |
| (156/32). | | Yeast (patent), British makers |
| Lactoforn, makers (155/50). | | (155/15). |

A. S. (151/24), writing on August 31, says: "Please accept my thanks for so promptly replying to my query *re* 'Gem Razor.' I shall be pleased to refer to your journal in writing to the firm."

Recent Wills.

THE LATE JOHN CURRIE, pharmaceutical chemist, left estate amounting to 4,806*l.* 14*s.* 8*d.* (C. & D., July 24, p. 112).

MR. THOMAS DENNISON VEITCH, chemist and druggist, Bishop Auckland, Durham, who died on June 18, left estate valued at 2,403*l.* 17*s.* gross, with net personality 528*l.* 9*s.*

MR. GEORGE WALTER POLDEN, chemist and druggist, 75 Northgate Street, Gloucester, who died on July 2, aged seventy-six years, left estate valued at 2,401*l.* 18*s.* 7*d.* gross, of which 1,769*l.* 15*s.* 8*d.* is net personality. Probate of his will has been granted to Mr. John Curtis, chemist and druggist, of 75 Northgate Street, Gloucester.

Observations and Reflections.

By "Xrayser."

The Sweet-oil Symposium

is a lesson in humility to us southerners. The suggestion that "sweet oil" might or could be or ever had been anything but olive oil startled me when I read it, and apparently other of my fellow-citizens shared this illusion. But, as they say in the provinces, "people live in London till they know nothing," and we now learn that three-fourths of the nation want colza oil, or at least get it, when they ask for sweet oil. Evidently if the question is to be settled by voting we olivarians are not likely to have a chance. In all ancient literatures the term "oil" alone always means olive oil; and an ingenious etymologist might prove that the Hebrew word for the olive fruit, *zait*, had been corrupted into our "sweet." The "Century Dictionary," which is the only one available to me as I write, gives olive oil as the definition of sweet oil without doubt or reserve, and in my edition of Gray's Supplement (1857) sweet oil is simply referred to as a synonym of olive oil, and not as the foots of olive oil, as stated by Messrs. Raimes & Co. This is the case for the minority; now perhaps our northern friends will justify their practice.

Three Pharmaceutical Fights

are contemplated by Mr. James Reid, whose vigorous comments it is always a pleasure to read. Fight number one is over, and perhaps most of us will agree with Mr. Reid's carefully chosen eulogium on the finish that it was as satisfactory, from our point of view, "as was possible at this late date." We can scarcely boast of our bow or of our sword in that contest. The big companies gave us just as much and as little as they chose, but we did, as a matter of fact, secure the recognition of the principle of qualified control of the business of a chemist and druggist. The absolutely unqualified "chemist and druggist, limited," is no longer possible, though qualification by proxy is now legalised. Where the moral victory rests history must determine, but there is not much doubt about who secured the substantial triumph. Mr. Reid also anticipates with gratification the prospect of a struggle in favour of "pharmacy for the pharmacist," by which, it may be presumed, he understands a monopoly in the supply of compounded medicines. That cause, however, he is content to leave for the moment in the hands of that very unmilitant body, the British Pharmaceutical Conference. Meanwhile we are called upon to concentrate our efforts on the

Anti-Quackery Crusade,

which he is sanguine enough to regard as urgent because an Irish M.P. has asked the Home Secretary one of the perennial questions on this subject. In his reply to Captain Craig, Mr. Gladstone mentioned that inquiries are being made at the instance of the Lord President of the Council in regard to the practice of medicine by unqualified persons. Is it extending, and what are its effects? This is interesting; but it is not difficult to guess at whose instance the Lord President is bestirring himself. There is not much doubt that our alleged misfeasances are among the charges which he has been asked to investigate. If the gentlemen who have instigated him should happen to be the same as those who coolly suggested a fine of 100*l.*, with or without six months' imprisonment, for anybody unqualified who should practise medicine, surgery, or dentistry for gain, there are sufficient reasons why we should not join in

the hunt. A law against quackery which would be fair and effective is simply impossible, and Captain Craig would soon find this out if he were to draft a Bill and then read it over. His complaint that the

Government Stamp

may deceive ignorant people is too stale a theory to be worth repeating. Plain words are engraved on every stamp declaring that no official guarantee is implied, and it would be absurd to sacrifice 300,000*l.* for the sake of people who will not read or who cannot understand that statement. But what is wanted just now, from a Treasury point of view is a stamp which does imply some sort of guarantee. The French Minister of Finance has had the luck to hit on a scheme for a penny stamp which he estimates will add about half a million pounds sterling to the revenue, and will be as pleasant to those who will pay it as it will be to those who receive the money. A new law is to define exactly the districts famous for certain wines and spirits, such as Champagne, Cognac, and Bordeaux, and only wines and spirits actually produced in those districts are to be entitled to the use of those names on the labels. Then to ensure that the bottles so labelled shall not be afterwards used for other concoctions, a stamp, costing one penny, is to be affixed over the cork of each bottle, and to imitate that stamp will be felony, as it is with us. Presumably some precautions will be taken to prevent any but the right persons from getting these stamps.

The Imperial Diploma

is an idea which is making way, and the problem of settling it will have to be dealt with quite soon. The President of the Canadian Pharmaceutical Association in his speech reported last week alluded to "an All-British diploma" as an object dear to the heart of every Canadian; and in the Australian news it is stated that the President of the Pharmacy Board of Victoria is on his way to England furnished with evidence to convince the Pharmaceutical Council here that the standard of examination in that Colony is high enough to justify a claim for reciprocity. It is rather difficult to perceive how the exact level of the standard is to be proved by any evidence short of actual experience; moreover, it has not yet been proved whether Bloomsbury does or does not desire to be convinced of the sufficiency of the Colonial examinations. Reciprocity perhaps means a sort of climbing down from the throne of supremacy which the predominant partner now occupies; on the other hand, it involves guineas as registration-fees which will be all profit. The most dangerous feature of the new departure will be that as soon as the Society proceeds to frame the necessary by-laws for the admission to the Register of Colonially certificated candidates, the War Office and the Society of Apothecaries will be tempted to demand the fulfilment of the rest of the section.

The Statistics

published last week of the licences to sell agri-horticultural poisons (549 granted and 111 refused) go some way towards showing that the active opposition to the licences organised in many places by chemists' associations was on the whole mistaken policy. It cannot be denied that it succeeded occasionally. Some licences were undoubtedly refused in consequence of the representations made to the local authorities by or on behalf of chemists. On the other hand, the evidence is almost as certain that some Councils were influenced the other way by the impression, carefully fostered by our antagonists, that chemists were only eager to maintain the monopoly which the older Act had given them. As a matter of fact, the refusal of one application out of six is no more than might have been expected if the Councils had been left quite alone.

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THE STRONGEST AND BEST
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No. 1 Finest Pure CRUSHED LINSEED	20/cwt.	Finest Pure STARCH POWDER	22/cwt.
No. 2 Pure CPUSHED LINSEED	19/cwt.	No. 1 Finest Light Pure PRECIPITATED CHALK	25/cwt.
Best Cleaned LINSEED (TEA)	19/cwt.	EPSOM SALTS, E.S.S. Purified, Clean, and Dry	11/6cwt.
No. 1 Finest Pure FULLER'S EARTH (Light Colour)	15/cwt.	Finest Levigated "WHITE EARTH" (Toilet purposes)	18/cwt.
Finest Compound LIQUORICE POWDER	8 & 1/2 lb.	Finest Pure TOILET OATMEAL, SPECIAL	32/cwt.
Finest Pure LIQUORICE JUICE	1/10 lb.	Finest ARROWROOT	1/ lb.
BICARB. SODA Finest	15/cwt.	FULLER'S EARTH (In Bredgers)	1/12 & 1/6

PATENTS AND TRADE MARKS.

There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent which members of the Retail and Wholesale Drug Trade can avoid by consulting an efficient agent, who would undertake all the trouble for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance free. Pamphlets gratis.

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LIQUORS

Editorial Comments.

"Off" Wine-licences.

In referring last week to the amended licence-duties under the Finance Bill we quoted Clause 30, Sub-clause 1, as bearing upon the duties which chemists having "off" wine-licences may have to pay in respect to their premises. The clause has now been passed in Committee of the House of Commons, and in the process the question of valuation was discussed at great length. Members generally were more or less at sea, and although public-houses and hotels loomed large on their horizon, chemists' shops were necessarily there also (although not noticed), and that is why we return to the subject. We mentioned last week that in estimating the annual value of premises the clause provides that "no increased value arising from profits not derived from the sale of intoxicating liquor shall be taken into consideration." We have obtained from an expert an opinion on the extension of this proviso to "off" wine-licences, which we subjoin:

"This paragraph appears to have been taken from part of the definition of 'monopoly value' in Section 4 of the Licensing Act, 1904. Provision is there made for securing to the public, in respect of new on-licences,

any monopoly value which is represented by the difference between the value which the premises will bear, in the opinion of the justices, when licensed and the value of the same premises if they are not licensed.

Then follow these words:

Provided that in estimating the value as licensed premises of hotels or other premises where the profits are not wholly derived from the sale of intoxicating liquor no increased value arising from profits not so derived shall be taken into consideration.

To apply this proviso to the determination of the compensation-value of existing licensed premises, especially when that value is to be made the basis of the licence-duty, seems to be inconsistent with the following passage in the Chancellor of the Exchequer's Budget statement:

It must, of course, be remembered in this connection that the possession of a licence gives an advantage not only as respects the sale of liquor, but also as respects the other business of an hotel, higher prices being obtainable both for food and lodging in licensed premises than in premises not enjoying a licence. This value, no less than the profit directly derived from the sale of liquor itself, is part of the monopoly value of the premises, and ought to be taken into account in assessing the duty.

This assertion is denied by the representatives of the hotels, who contend that the comforts provided more than balance any extra charges. It is only with regard to hotels and restaurants that the sub-section will have much scope, since by No. 4 of the Provisions applicable to the retailer's on-licences in the first schedule the maximum licence-duty payable in respect of premises used for other purposes to which the holding of the licence is merely auxiliary is fixed at 50%.

For further enlightenment we turn to the debates in the House, again keeping in view the fact that all speakers seemed to have public-houses and hotels only in their minds, while what we want to get at is the annual value of chemists' shops which are licensed for the sale of wines. Mr. Herbert Samuel, speaking for the Government on September 3, said:

"The annual rateable value of licensed premises is far from being an ideal basis for the levying of licence-duties. . . . What is now proposed is that the duty shall fall, not on the value of the premises, but on the value of the licence. . . . The value of the licence is the difference between the premises licensed and the premises unlicensed."

In the renewed discussion on September 7 it was intimated that this year the existing value will be taxed, but for the future Treasury regulations are to be drawn up and submitted to Parliament which will give effect to the new proposal and provide for appeal. On this matter Mr. Herbert Samuel said:

"To get the annual value we have to take the value of the building and then the value added to it by the licence. We have to multiply the one by a certain number of years' purchase, and the other by a different number of years' purchase. It is only in this way that we get the value of the building as a whole, *plus* the licence. It is the existence of the building, which has first to be capitalised and then de-capitalised, that makes it necessary to take this roundabout course. . . . The Bill as it stands, with an amendment which was accepted on Friday, provides that 'that amount and its annual equivalent shall be certified respectively by the Commissioners of Inland Revenue,' and then, in the words of the amendment of the Chancellor of the Exchequer, 'any such certificate shall be subject to the like appeal as that to which the determination of the Inland Revenue Commissioners of the amount to be paid for compensation under Sub-section 2 of Section 2 of the Licensing Act, 1904, is for the time being subject.' So that we have an appeal, not only on the capital sum, but also on the annual equivalent, and it must really be the annual equivalent of that capital sum."

All this bears upon chemists' shops licensed for the sale of wines, because their annual value is to be determined in the same manner as "for the purpose of a publican's licence." Clearly, therefore, the annual rental is not the basis upon which chemists with wine-licences will be called upon to pay, but the annual value of the licence, according to Mr. Samuel, whose explanation was supported by the Solicitor-General. This means, therefore, that if a chemist's annual sales of wines do not show a profit exceeding 20*l.* he will pay 2*l.* 10*s.* for his licence, no matter although the rental of the premises may be much more than 20*l.* How the provision will work out in practice is another matter.

London Port Dues.

THE Port of London Authority are at present considering a schedule of revised dues payable on all goods entering the port, and as a basis for interchange of opinion have prepared a schedule of rates which are the legal maximum, and submitted it to the leading metropolitan commercial associations, including the Mincing Lane branch of the London Chamber of Commerce, with a request for expressions of their views, in order "to avoid any undue restrictions on trade and hardship on particular classes of merchandise." It is desired that comments on the schedule should be sent in before September 30, when it will be submitted to the Board of Trade, and afterwards embodied in a Provisional Order to be laid before Parliament. We give below the rates proposed on goods which are of interest to the chemical, drug, and allied trades, the figures being per ton except where otherwise stated:

Acid, citric, 3*s.*; acid, boric, 2*s.*; acid, carboric, liquid and solid, 8*d.*; acid, hydrochloric, 1*s.*; acid, nitric, 1*s.* 6*d.*; acid, oxalic, 3*s.*; acid, sulphuric, 1*s.*; acid, tartaric, 2*s.*; aerated waters, ½*d.* per doz. qts.; alizarine, 1*s.*; alkali, 5*d.*; alum, alum rock, and alumina, 1*s.*; alum cake, 6*d.*; alumite, 3*s.*; ammonia carbonate, 1*s.*; ammon nit., 1*s.*; ammon. muriate, 1*s.*; ammon. sulphate, 1*s.*; ammonia, other salts, 1*s.*; ammoniacal liquor, 1*s.*; aniline salt and colours, 3*s.*; annatto, 1*s.*; anthracene, 1*s.*; antimony regulus, 1*s.*; antimony ore, 8*d.*; argol and dust, 1*s.*; arrowroot, 3*s.*; arsenic, 3*s.*

Black ashes, 6*d.*; pearl and potashes, 1*s.*; barium oxide, chloride, and nitrate, 6*d.*; bark for medicinal purposes, 3*s.*; bark, tanner's, 1*s.*; barytes, 2*s.*; bauxite, 6*d.*; berries, bay, juniper, and yellow, 3*s.*; bleaching-powder, 5*d.*; boracite, 1*s.*; borax, 3*s.*; bottles, glass, 8*d.*; bottles, earthenware or stoneware, 8*d.*; bottles, n.o.r., 8*d.*; brimstone, 4*d.*

Calcium carbide, 3*s.*; cattle-foods, 4*d.*; chalk, unmanufactured, 2*d.*; chemicals (n.o.r.*), 3*s.*; chloral hydrate, 3*s.*; cinnamon, 2*s.*; cloves, 3*s.*; cocoa and chocolate, manufactured, 3*s.*; cocoa-beans, 1*s.* 6*d.*; cocoa-shells, 8*d.*; coffee, 1*s.* 6*d.*; coffee essence, 2*s.*; collodion, 3*s.*; copper sulphate, 2*s.*; copperas, green, 1*s.*; cordials of all kinds (100 gals.), 1*s.*; cordials in bottles (1 doz. qts.), 1*d.*; creosote salts, 6*d.*; curry-powder, 3*s.*; cutch, 1*s.*

Dental materials (per 1*l.* value), 1*d.*; disinfecting fluid and powder, 3*s.*; divi-divi, 1*s.*; drugs (n.o.r.), 3*s.*; drysaltery (n.o.r.) —; dycustuffs (n.o.r.), 1*s.*; dyes from coal-tar, 3*s.*; dyewood roots, 1*s.*

Extracts to be used in medicines or for dyeing-purposes (n.o.r.), 1*s.*; extracts of dyewood and of bark for dyeing-purposes and all extracts for tanning (description to be stated), 1*s.*

Farinaceous preparations, 1*s.* to 3*s.*; food, patent, for cattle, 4*d.*

Galls, 3*s.*; gambia-pods, 1*s.*; gambier, 1*s.*; gelatin, 3*s.*; ginger, 3*s.*; glucose, 1*s.*; glue, 1*s.* 6*d.*; glycerin, 2*s.*; gums of all kinds (n.o.r.), 2*s.*

Honey, 3*s.*; hops, 3*s.*

Indigo, 5*s.*; iodine, crude, 3*s.*; iodine, prepared (per 1*l.* sterling value), 1*d.*; indiarubber, 5*s.*; isinglass, 5*s.*

Kieselguhr, 1*s.*

Lemons, citrons, orange, or peel in brine, 2*s.*; lime acetate, 1*s.*; lime borate, 1*s.*; lime gas, 4*d.*; lime muriate, 1*s.*; lime phosphate, 6*d.*; liquorice paste, powder, and root, 3*s.*

Magnesia and carbonate of, 3*s.*; magnesium, borate of, 1*s.*; manganese oxide, 6*d.*; medicines (n.o.r.) (cwt.), 2*d.*; mercury, 6*s.* 8*d.*; methylated spirits, 2*s.*; mineral waters, 1*s.*; mineral waters in bottles (1 doz. qts.), ½*d.*; myrabolans, 1*s.*

Naphthaline, 1*s.*; nitre-cake, 4*d.*; nutmegs, 3*s.*; nuts, betel, coquilla, corosso, 3*s.*; nuts ground and all nuts for expressing oil (n.o.r.), 6*d.*

Oilmen's stores (n.o.r.), 3*s.*; opium, 3*s.*; orchella, 2*s.* Oil is classified under three headings, Class I. at 1*s.* per ton, Class II. at 2*s.* per ton, and Class III. at 4*d.* per cwt., as follows: (1) Animal (n.o.r.), arachis, bean, bone, castor, coconut, cod, cod-liver, colza, copra, corn, cottonseed, creosote, dugong, earth-nut, foots, fusel, gas, gingelly, ground nut, haddock, herring, jamba, Japan fish, lard, lignite, linseed, lubricating (n.o.r.), machinery, maize, maw, menhaden, mowaseed, mustard, naphtha (coal-tar), naphtha (wood), neatsfoot, Niger, oleic, oleine, olco, palm, palm-nut, pea-nut, pine, pitch, poppy, rape-seed, refuse for soap, rosin, seal, sesame, shale, shark, soap, sod, solutified, Spanish fish or oil extracted from sardines or sprats, sperm, spermaceti, sprat, tallow, tar (n.o.r.), teal-seed, train, turpentine, whale-wood, wood-naphtha; (2) aniline, binnae, boiled, chemical, cloth, dubbin, mixed olive, paran, watch; (3) almond, aniseed, bays, bergamot, cajuput, camphor, copaiba, carraway, cassia, castor (medicinal), chaulmogra, cinnamon, citron, citronella, clove, coal-tar, croton, essential, eucalyptus, geranium, ginger, grass, lavender, lemon, lemongrass, lime, mace, myrbanc oil (n.o.r.), neroli, nutmeg, orange, patchouli, perfumed, peppermint, pimento, rosa, rosemary, sandalwood, sassafras, spearmint, staranise, sulphur, thymic, walnut, wintergreen, ylang-ylang.

Paris white, 1*s.*; pepper of all kinds, 3*s.*; perfumery (per 1*l.* of sterling value), 1*d.*; petroleum, motor spirit, naphtha, etc., 1*s.*; phosphate of lime, 6*d.*; phosphorus, 3*s.*; potassium salts, 1*s.* 6*d.* to 2*s.*

Quinine, sulphate of (cwt.), 4*d.*; quinine residuum, 3*s.*

Roots, dry (n.o.r.), 3*s.*; rosin, 3*d.*

Saccharin (lb.), 1*s.*; sal ammoniac, 1*s.*; saltpetre, 1*s.*; sheep dip or wash, 1*s.*; sumach, 2*s.*; soap of all kinds, 10*d.*; soda salts, 6*d.* to 2*s.*; soy, 2*s.* 6*d.*; spermaceti, 3*s.*; spices (n.o.r.), 3*s.*; spirits, brandy (100 gals.), 1*s.*; spirits, other spirits (100 gals.), 1*s.*; spirits in bottles (1 doz. qts.), 1*d.*; sponge, rough (cwt.), 2*d.*; sponge, fine (cwt.), 4*d.*; starch, 1*s.*; stearine, 2*s.*; strontia, 1*s.* 6*d.* There are four classes of seeds, most medicinal being in Class 4 at 2*s.* 6*d.* per ton, as follows: Algarobilla, aniseed, annatto, canary, cardamom, carraway, chicory, cinnamon, coeple, coriander, croton, cumin, fennel, fenugreek, furze, jaffa, jowerec, lupin, madder, maw, medicinal (n.o.r.), quince, safflower, soya beans, stavesacre, sursee, tea, and other unnamed sorts. The exceptions are castor, colza, gingelly, jamba, linseed, mustard, Niger, rape, poppy, ravison, rubsen, sesame, sunflower, teazle, which are in Class 2 at 1*s.* 6*d.* per ton.

Talc, 10*d.*; tallow, 2*s.*; tar, coal, 1*s.*; tar, Stockholm, 8*d.*; tartar, cream of, 2*s.*; tartar crystals and lces, 1*s.*; turmeric, 1*s.*; turpentine, spirit of, 1*s.*

Vaseline, 2*s.* 6*d.*; verdigris, 3*s.*; vinegar and verjuice, 1*s.*; vinegar in bottles (1 doz. qts.), ½*d.*

Wax, paraffin, 1*s.*; wax, other descriptions, 3*s.*

Zinc salts, 2*s.* to 3*s.*

The draft schedule extends to fifty foolscap pages of

* N.O.R. = not otherwise rated.

closely printed items, and in glancing through it we noticed that "drugs not otherwise rated" are to pay 3s. per ton, and "medicines not otherwise rated" will pay 2d. per cwt. The schedule is open to much criticism in the matter of classification, but obvious errors will be rectified no doubt—e.g., tonka beans are placed both under "drugs (n.o.r.)" and under "perfumery" at different rates; citric acid, citrate of magnesia, narcotine, and nicotine are defined as "medicines (n.o.r.)"; and alcohol is placed as a drug. These are but a few discrepancies, which could easily be adjusted in half-an-hour's conversation with a drug expert. It need hardly be said that Mincing Lane dealers and merchants object to any dues whatever being placed on goods entering or leaving the port, their contention being that the existing landing and other charges are already beyond those of other ports; but it cannot be denied that money must be raised for extensive improvements, and the fact that it is intended to create dues is bringing London into line with Liverpool and other ports, although it is repeatedly urged that landing-charges are much less at other ports. There is no need to labour the point that London is a dear port, but the P.O.L.A. is going to make it still dearer in order eventually to make it cheaper!

Scots and English.

THE Pharmaceutical Society is in some difficulty at present with the inhabitants of its territory north of the Tweed. Numbers there are bitterly disappointed with the results of 1908 legislation, and especially with the invertebrate attitude which the Council of the Society has exhibited in respect to agri-horticultural matters. The question has even been mooted in Scotland, Is the time not near when Scots pharmacists should agitate for a Pharmacy Act for Scotland? This has brought with it another: Should a distinct Society not be obtained for Scotland? These glimmerings of revolt are incomprehensible to the southern part of Great Britain, where the predominant feeling is that Scots pharmacists are very well off with their North British Branch "an' a' that." But, it may as well be said, a mere handful of English pharmacists, and they chiefly of the official class, give the matter a thought. The Scots feeling of dissatisfaction is not so circumscribed; it is fairly general in East, West, South, and North. The incomprehensibility of England towards the position appears to be due to ignorance of two national Scots factors. First the Scots feeling against rule by England is by no means extinct: it is part of the Scots character, and bursts into flame on occasions when there is any exceptional effort on the part of London governors to put their feet down. This has been the case lately in pharmaceutical matters. The second factor in Scots pharmacy which is at the base of resentment to domination by the South is that pharmacy in Scotland is on a distinctly higher level than the English retail drug-trade. The great majority of retail chemists in Scotland are practising pharmacists; they have dispensing to do daily, they cultivate that branch of the business, and rely upon it. Thus their professional qualifications are exercised, and the public recognise them as the traders who supply medicines. Oil and colour men are rare in Scotland, and the drug-store run by the unqualified man who has served an apprenticeship to a chemist is still rarer. The reverse is the condition in England, and it is felt in Scotland that a Council of which nineteen men are familiar only at second hand with the special conditions across the border cannot act properly or always wisely in administering Scots affairs. The Executive of the North British Branch has

no powers worth mentioning, and under the present Statutes cannot have them; hence the growing feeling that a greater measure of home rule must come to Scotland in the comparatively near future. We merely state the facts; it is for those most concerned to follow up the diagnosis.

Better Trade.

The Board of Trade Returns for August again indicate that the improvement which really commenced with the June figures has been more than maintained, although they deal with the principal holiday month of the year. Exports show an increase of 1,772,000*l.*, and imports an increase of 5,670,000*l.* On the eight months the imports are 12,500,000*l.* more than in 1908, but in exports there is still a deficiency of 9,500,000*l.* to make up, while as compared with 1907 the decline in exports is 39,600,000*l.* Exports of chemicals, etc., were 121,234*l.* less in August, the total amounting to 10,980,953*l.*, but no part of this decline applied to the drug and medicine group, which, in fact, advanced from 109,378*l.* in 1908 to 131,230*l.* last month, and for the eight completed months the totals have risen from 1,011,471*l.* to 1,103,069*l.* The quinine figures indicate a much better volume of business, but it need hardly be said that values have not appreciated.

A Mohr Memorial.

Carl Friederich Mohr, the Coblenz apotheker, to whom we owe an exposition of the practice of pharmacy and the systematisation of volumetric analysis, is, thirty years after his death, to have a monument to his memory erected in Coblenz, his native town. The movement for a monument was started in 1906, on the centenary of his birth, but it is only this month that a circular has been issued, in the name of seven German societies, appealing for wider support. This circular states that—

Mohr was unique in his time as a pharmaceutical writer, among his works of this nature being the "Pharmacopœa Universalis," begun by Geiger and completed by Mohr, his "Manual of Pharmaceutical Technique," and his "Commentary on the Prussian Pharmacopœia." His "Manual of Chemical Analytical Titration Methods," which appeared in 1855, has remained an indispensable guide for analytical work in applied chemistry and for pharmaceutical and chemical industry, and to his inventive genius and practical turn of mind we owe the existence of modern volumetric apparatus. Mohr did not entirely confine himself to chemistry and pharmacy. In a work of his published in 1837 on the nature of heat, he developed in a manner far in advance of his age his theory of motion, recognising the unity of natural forces and their reciprocal power of transmutation, and approaching very near the later discoveries of Robert Mayer. He took an interest in agricultural problems, and was the first to propose and make practical tests in the destruction of *Oidium* on the vine by means of sulphur. Mohr not only contributed by writings and lectures, and by his later career as a professor at the Bonn University, to the advancement of science in his own country; his influence spread, and his motto that "to acquire a knowledge of nature is the highest task of the human mind" found recognition far beyond German frontiers.

It will be remembered that Mohr's "Practical Pharmacy" was translated by the late Professor Redwood and published in 1849, and it is a book still worth having. Among those who have subscribed to the circular we notice the names of Dr. von Böttinger, Professor Curtius, Professor Emil Fischer, Dr. H. Fresenius, Dr. Gutzeit, Professor Van't Hoff, Professor Lange, Dr. L. Merck, Dr. E. A. Merck, Dr. H. von Meister, Professor Ostwald, Professor E. Schaer, Professor Ernst Schmidt, Professor H. Thoms, Professor Tschirch, Professor Otto Witt, and leaders in German pharmacy. The only English signatory is Dr. B. H. Paul, Kingston Vale, Putney, London, S.W., who has been requested by the committee to receive subscriptions from chemists and pharmacists in the United Kingdom. It would be a proper thing that British pharmacy and industrial chemistry should have a good representation on the subscription-list. Pharmacy and the alkali industry especially have benefited by Mohr's work.

Soap-bark:

"Micron" Describes New Varieties.

SAMPLES of soap-bark obtained from the leading drug-importers during the past year or two appear to differ without exception from the bark previously familiar to pharmacists. The bark now supplied is, on comparison,

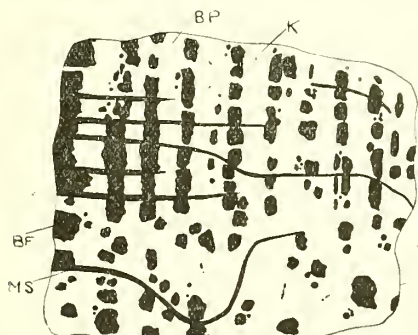


FIG. 1.—Transverse Section of Inferior Quillaia. B.F., bast-fibres; B.P., bast parenchyma sieve tubes; K., calcium-oxalate crystals; M.S., medullary rays.

easily seen to be thinner, harder, and darker in colour, and it is said to be less rich in active chemical constituents. The near relationship of the new bark to the official bark may be inferred from the closely similar laminated structure, crystalline deposits, and peculiar physical properties; and Mr. E. M. Holmes suggests that *Quillaia Saponaria*, the former source, has become exhausted, and that one

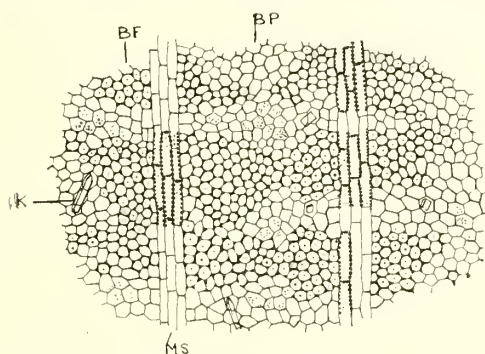


FIG. 2.—Transverse Section of an Inferior Quillaia. B.F., B.P., K., and M.S., as in fig. 1.

or other of the remaining indigenous species is being substituted. The probability of a new species of *Quillaia* is emphasised by a microscopical examination, in which several differences between the two can be detected. Fig. 1 represents the appearance under a lens of the transverse section of the soap-bark now met with, and fig. 2 shows a small portion more highly magnified. While the

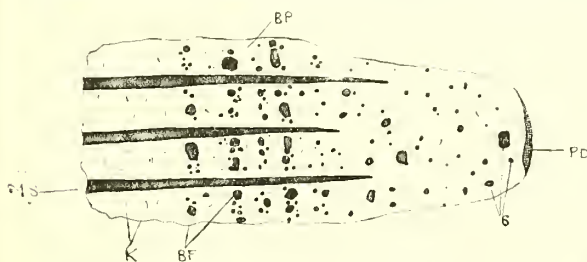


FIG. 3.—Transverse Section of Quilled Soap-bark. B.F., B.P., K., and M.S. as in fig. 1; P.D., periderm; S., sclerenchyma.

elements themselves, and to a certain extent their distribution, are similar in the two barks, the medullary ray differs—firstly, in width, consisting of three cells only,

and, secondly, in a well-marked lignification of its cells at intervals corresponding with the strands of bast-fibres. Mr. Holmes suggests *Q. Poppigii* as a provisional botanical source for this inferior bark.

Less commonly met with is a new soap-bark occurring in small quills or curved pieces about the size of those of canella or cusparia. Obviously it is a much younger bark, and may be obtained from the branches of the official source or from *Q. Poppigii*, or possibly from the third species, *Q. Smegmadermos*. It is richer in active principle, and, if obtainable in sufficient quantity, it should prove a useful addition to our other sources of saponin.

The quilled soap-bark is much softer and without the laminated fracture of the other barks. Fig. 3 shows

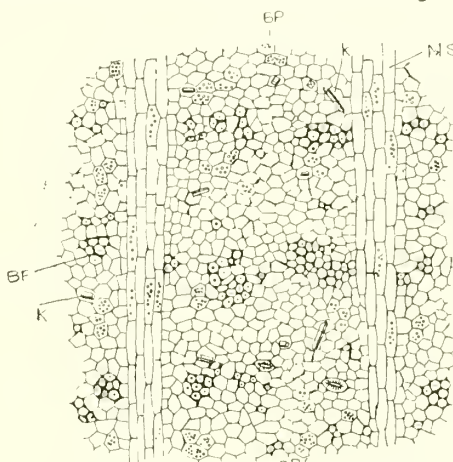


FIG. 4.—Transverse Section of Portion of Quilled Soap-bark. B.F., B.P., K., and M.S. as in fig. 1.

the relative proportions of parenchyma, bast-fibre, and medullary ray. In addition to this, however, other features, especially perhaps the medullary ray, as seen in fig. 4, and an abundance of starch serve to distinguish it from either the original *Q. Saponaria* or the newer and inferior soap-bark of the present market.

Lampblack.

By F. H. Alcock.

A GOOD AUTHORITY states that lampblack is "a deposited soot from the incomplete combustion of resin and tar," but, judging from some specimens which have come under my notice, and which are put to a novel pharmaceutical use, there seems to be more than one variety in commerce. They were labelled "Lampblack," and were wrapped in the familiar way in which this commodity is packed. The colour and coarseness were variable, but in two samples which for other reasons were considered the best the amount of mineral matter proved a serious objection. Sample A had 5 per cent. of moisture, and left, on careful ignition until no further appreciable loss occurred, an ash equal to 36 per cent., which was of a reddish colour and but little affected by diluted and cold hydrochloric acid (16 per cent.). Sample B contained 4.4 per cent. of moisture, and yielded 8.6 per cent. of ash of a greyish colour, which, when treated with cold and diluted hydrochloric acid, partly dissolved, leaving a reddish portion insoluble. Other commercial blacks were similarly examined. One, called "mineral black," contained 0.4 per cent. of moisture and yielded 61.9 per cent. of a brick-red ash. A sample of ivory-black contained 3 per cent. of moisture, and gave 62.5 per cent. of ash of a dried pipeclay appearance. All these had to be rejected, and it is concluded that these things are either not what they purport to be or are recognised as preparations which are suitable for many commercial purposes. Perhaps it should be stated that neither resin nor tar (wood, coal, or bone tar) contains much, if any, ash, and certainly less than 1 per cent. would be a fair figure to quote.

Photographic Notes.

(By a Pharmaceutical Camerist.)

THE MEMBERS OF THE LINKED RING REQUEST THE HONOUR OF YOUR COMPANY AT THE PRESS VIEW OF THE SEVENTEENTH ANNUAL EXHIBITION OF THE PHOTOGRAPHIC SALON AT THE GALLERY OF THE ROYAL SOCIETY OF PAINTERS IN WATER COLOURS 5A, PALL MALL EAST ON WEDNESDAY THE 8TH SEPTEMBER FROM 11 A.M. TO 6 P.M.

So I went, and my first surprise was the absence of the original Foreword from the Catalogue (Bagshot and Dr. Johnson are in its place); the second, how effectively the Linked Ring have decorated the R.S.P.W.C. room (with jute canvas, rough wood-fringe painted cream, rough plank-shelf painted cream, and brown-paper dado); and the third a magnificent collection of prints from paper negatives taken sixty years ago by D. O. Hill, R.S.A., the Edinburgh painter. The Catalogue says of the twenty eight pictures:

It may be readily seen that the portraits and figure-studies produced . . . by an early and tedious process of calotype . . . have, in many cases, never been excelled in their masterly conception and vigorous treatment. Thus at the very threshold of the new art of photography there was a worker who realised its possibilities—restricted though they were technically—for pictorial and individual expression and for the production of results that have yet to be equalled. . . . His connection with photography lasted but three years, 1844-47, and arose from the necessity of rapidly obtaining a series of portraits for reference in the production of a great historical painting. . . . Most of the portraits exhibited have a considerable historical interest and value, as most of his sitters were famous people of his time.

The Linked Ring are ever brimming over with enthusiasm of what they like, but I venture to say that the early photographs done by the late E. C. C. Stanford and other pharmlaists who pioneered were as good as D. O. Hill's, fine though these are. Otherwise the seventeenth Exhibition is not particularly distinguished from its predecessors; its distinction is itself, for, as regards many of the photographs, "What is new is not true, and what is true is not new." A few of the pictures (say twenty of the 113) would generally be regarded as failures in the dark-room. The Salon shows how enlargement, a touch of the brush here and there, and *outré* framing makes pictures of these outcasts. I dare not individualise the great successes in the ninety and nine other pictures. Some are as beautiful in conception as in execution, and the way in which several artists have produced by lens and printing tree pieces in Renaissance style is worth seeing—in fact the whole Salon, shrivelled though it looks, is a stimulating and suggestive sight. It will be open daily until October 25.

Stock Sulphite Solution.

As is well known, a solution of sulphite of soda will not keep very long, but according to the "British Photographic Journal" the following solution will keep a long time:

Sulphite of soda	2 oz.
Potassium metabisulphite	2 drs.
Water	10 oz.

These should be dissolved in water of about 90° F., and, when dissolved, the solution should be raised to the boiling-point and then allowed to cool. This solution is the one referred to as the "neutral-sulphite solution" in the following amidol and pyro development formulæ.

Photographs on Linen.

PHOTOGRAPHIC PRINTS on fabric always seem to possess a peculiar fascination for photographers, and the following baths, which I have found to work well with linen, will possibly prove useful when inquiries are made of the photographic dealer. The *Salting-solution* is made by mixing arrowroot 2 dr. with distilled water 7 oz. and then adding common salt 2 dr. and acetic acid B.P. 1 oz. Next dissolve tannic acid 2 dr. in distilled water 7 oz., and mix the two solutions. The linen should be thoroughly washed to remove the dressing and allowed to get nearly dry. It should

then be immersed in the salting-solution for three minutes. Dry and immerse in the *Sensitising-solution*, made by dissolving silver nitrate in the proportion of 50 grains to the ounce, and slightly acidifying with nitric acid ($\frac{1}{2}$ minim to the ounce is ample). Dry the sensitised fabric in the dark. Print deeply, wash, and tone in a sulphocyanide bath; wash and fix as usual. The process works easily, and the prints should be fairly permanent.

Optical Observations.

(By a Chemist-Optician)

Choosing Spectacles.

THERE are a good many members of the public who, when they go to a medical man for advice, accept his statement and treatment of their case without any question; but these same people, on consulting an optician, allow him to spend a good deal of time testing their sight and then want to dictate to him which glass they are going to wear. Whenever one has a customer of this sort, it is better to explain in simple language the reasons for giving the particular glasses, and he will generally perceive that the optician knows what he is talking about and will cause no further difficulty.

Wearing Tinted Glasses.

I SHOULD like to see a really good idea for putting tinted glasses on over the usual correction. In warm countries, where the glare from the sun necessitates a smoked glass for comfort, it is rather inconvenient to anyone who has to wear a constant correction. At present it means either having a pair of smoked glasses ground to the necessary power, and changing them when going in or out, or else putting a pair of tinted glasses on as well, both of which methods are clumsy and inconvenient to anyone going constantly from light to shade. I have seen one or two ideas of the kind, but they were not practical in use. Some readers may like to make suggestions.—[On postcards, please, Ed., C. & D.]

Pure Opticians.

APPROPOS of a recent discussion on the limitations of sight-testing and the use of the phrase "descending to general optics," I am afraid that the man who depended solely on his professional dignity would soon find that pure optics is far from being a profitable source of income, and he would speedily be obliged to abandon it for something more lucrative. I think that most of us at heart would really prefer to do business, both in pharmacy and optics, from a purely professional standpoint if it were possible to do so, but under existing conditions it is not. Let us therefore conduct our side lines in as scientific a manner as possible, and show our customers that we really have a practical knowledge of the goods we sell.

Accommodation and Convergence.

THE important part played by the relationship of accommodation to convergence is frequently lost sight of by the optician in his endeavours to correct refractive error, and is often the cause why glasses apparently accurately fitted do not give the relief they should do, especially when asthenopia is present. Accommodation and convergence in a normal eye are of course equal and exercised simultaneously in order to produce true binocular vision. At the same time, it must be remembered that the amplitude of convergence is larger than the amplitude of accommodation, and when the one strives to keep up with the other for a protracted period, it speedily brings about all those troublesome symptoms of fatigue classed under the term asthenopia. The remembrance of this fact will give the refractonist a clue in cases which do not gain relief from their correction. Both the accommodation and the convergence should be carefully measured and noted, and judgment must be used to bring about the association of the two functions. In cases of anisometropia, where the refraction of the two eyes is unequal, this trouble is naturally frequent, and it is possible by careful adjustment of the correction to bring the eyes to share the work equally between them, where probably one has been doing all the work to the exclusion of the weaker and the detriment of both.

How to Treat Travellers.

1. Traveller after traveller comes into the shop; the day is far advanced and not a stroke of your regular shop work has been touched. Is it polite or etiquette to tell a man, who you know may have come to the town specially to see you, that you cannot be seen?

2. You are working single-handed. A prescription is brought in and promised for fifteen minutes. Immediately a traveller walks in, and, seeing no customer in the shop, starts to talk and unpack samples. Is it the proper thing to tell the traveller that his presence is inconvenient, or to let the customer wait when the medicine is called for?

THESE questions were put by a chemist in the *C & D*, May 15, and we invited replies, which we have been printing since. We now give a final selection and award a number of prizes.

1. When a traveller comes in, and you are too busy to spare him any time, make an appointment with him. He is waiting on you, not you on him.

2. When a traveller starts to "talk and unpack samples," and you are dispensing an urgent prescription, let the traveller wait, or make an appointment. You are waiting on the customer, not on him.—LENNOX TICE (Edmonton, Alta.).

1. Tell him you can spare him a short time only (say fifteen minutes). He will accept this, and not be too loquacious if he knows that the decision is final.

2. If a prescription is promised this should be mentioned and the traveller asked to wait. He would doubtless appreciate that a man who keeps his promise is a customer worth waiting to see.—W. CONDERY.

1.

Consider first thy daily round;
The traveller, when courteous asked
To call again, is duty bound
To suit thee.

2.

A customer, or patient, may,
Be sore distressed by delay;
Whereas, on earth there is no bourn
Whence travellers may not return.

P. S. COLEMAN (Lahore, India).

1. Give the hand of welcome. These men go from shop to shop calling on successful and unsuccessful, and are likely to note the cause. They observe actual conditions, and the experience thus gained is of immense value. Let "Pestered" balance the time lost (?) by being ready to learn in such a school. He will find them ready teachers. Their advice comes not from a narrow but from an intelligent knowledge through their business relations with others. I have often obtained some splendid ideas from travellers, especially from English houses, and found the time profitably spent even if the regular shop work did get a little behind.

2. Still give him a hearty handshake and pleasant word. Tell him frankly you are alone and a prescription is waiting. A good traveller will take the hint and leave your shop, mentally saying, "Not a bad fellow"; and that very handshake and pleasant word may be the means of bringing many a shilling into your till that would not otherwise find its way there.—J. D. CONNELLAN (Brisbane, Queensland).

Unfortunately the *nom de plume* "Pestered" explains exactly the position of a large number of chemists towards a most useful accessory to business. The fact is, all unknown travellers are classed as little better than touts—a most unjust and absurd proceeding. Travellers will talk, and the most successful will sometimes endeavour to induce an order by explaining what the "opposition" are doing. The older method of offering special lines at cut prices is still the most popular with the best firms in the wholesale drug trade of to-day to "get in," and when possible should be listened to, as the "old firm" you have patronised for years will come into line rather than lose a customer. Therefore, whenever possible, always "see" the traveller. Now to the point in No. 1 query, it entirely depends on the one word "may." In the first instance we surmise he has come. Then your course is clear. You arrange with him to call in one, two, or three hours. In the second, we surmise he has not come especially to see you. His ex.s are running on, he cannot afford to speculate more than an hour on a chance customer. You call his attention to a notice somewhere (perhaps behind the door):

Travellers
cannot be seen
after 10 A.M. except
by appointment.

If he wants your custom he will apologise and withdraw, making a note of your business arrangement. If he's all push and you have already done "casual" lines with him, the *C. & D.* comes at once to your aid; cut out just that portion

of the market report: Higher, Firmer, Lower, Easier; paste on card. You then ask quotations for what you are only absolutely in want of in first column, and if you have a good offer in any line in columns three or four, you buy to hold, if it is a seasonable article. Column two you would only buy if you could get at old prices. Therefore you start with your man just there.

In the second query the correct thing is to ask the traveller to wait or call again, depending on his or your convenience. It is the busy man or, rather, the man with the business, whom the wholesale firm want, if the traveller finds business going on; it's his business to "get in," and a few polite remarks and a morsel of "tact" will do more than any amount of push. Travellers like a man who talks straight. Many large grocery firms go so far as to place a list outside their office door stating what they are buying on that date. Travellers who do not find their speciality mentioned go away at once and save everyone's time. The average chemist has to put up with so much impudence, and swallow it for twelve hours six days a week, that it is small wonder that some of it comes back on the only person left to receive it after the errand boy. J. BIDIE.

The replies received have been more numerous than we expected, and we daresay that they have amused as well as interested our readers. We promised six copies of the "Chemists' Medical Dictionary" as prizes, but we increase the number, and will award a copy to each of the following: Messrs. J. Bidie (Wolverhampton), C. Brown, P. S. Coleman (Lahore), E. A. Collings, J. D. Connellan, H. Glover, Alex. Milne (Maud), E. Thompson (Clapham), and J. Thornton (Redditch).

Trade-marks Applied For.

Objections to the registration of any of the undermentioned applications should be lodged with Mr. Temple Franks, Comptroller-General of Patents, Designs, and Trade-marks, at the Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned. The objection must be stated on Trade-marks Form No. 7, cost £1, obtainable through any money-order office. The figures in parentheses refer to the classes applied for.

(From the "Trade-marks Journal," September 1, 1969.)

"FEATHER"; for arsenical compounds (1 and 4). By South Crofty Ltd., 4 Broad Street Place, London, E.C. 314,755.

"ODEKROL"; for all goods (2). By E. Lutz & Cie., 39-41 Hausergasse, Vienna. 313,789.

"OSSAPLAST" and "MITIN"; for veterinary and human medicines (2 and 3). By Krewel & Co., 33 Eifelstrasse, Cologne. 314,432/3.

"HITO"; for chemicals (2) and for hair-preparations (48). By J. Cumberbirch, 27 and 29 Rochdale Road, Manchester. 314,815/6.

"VIRA"; for a pill and stomachic powder (3). By Lewis Murray, 131 Albert Bridge Road, Belfast. 312,833.

"RISHI"; for medicine (3). By Frank Bohane, 1 and 2 Rangoon Street, London, E.C. 314,458.

Portrait in device of the founder of the firm, John Bell; for medicinal chemicals (3). By John Bell, Hills & Lucas, Ltd., Tower Bridge Road, London, S.E. 314,879.

"EUMOLLIA"; for a skin-cream (3). By Allen & Hanburys, Ltd., 37 Lombard Street, London, E.C. 315,092.

"VARICURE"; for surgical appliances (11). By J. B. Hilliard, 157 Hope Street, Glasgow. 314,856.

"SANITAS"; for metal goods (13). By Sanitas Co., Ltd., Locksley Street, Limehouse, London, E. 314,003.

"LION"; for photographic paper (39). By Imperial Dry Plate Co., Ltd., Cricklewood, London, N.W. 314,216.

"PARUB"; for indiarubber goods (40). By T. Steane & Co., 2 Old Swan Lane, London, E.C. 314,962.

Label device of exhibitions' awards; for food substances (42). By W. J. Bush & Co., Ltd., Hackney, London, N.E. 313,026.

"CARMANADE"; for an aerated water (44). By P. Lincoln Carman, 57 Canterbury Road, Margate. 312,162.

"MONO"; for perfumery, etc. (48). By Bayley & Co., 94 St. Martin's Lane, London, W.C. 313,793.

"POM"; for all goods (48). By W. & F. Walker, Ltd., Colonial House, Water Street, Liverpool. 315,078.

Label device with horse-shoe and words "HARD 2 BEAT"; for shaving-brushes and razor-strops (50). By Frank Newbery, 16 Bulmershe Road, Reading. 311,884.

Westminster Wisdom.

A Record of Parliamentary Progress.

SCOTTISH BANKRUPTCY LAW.

The Lord Advocate informed Mr. J. W. Cleland on Monday that the report of the Departmental Committee on Scottish Bankruptcy Law is expected to be issued before the end of the year.

THE SPIRIT-DUTIES.

Several questions have been put in the House of Commons this week as to the yield of spirit-duties, present and future, the most notable being the fact elicited by Sir John Dewar that last month the revenue from spirits (home and imported) was 1,263,000*l.*, against 1,477,000*l.* in August 1908, and 1,600,000*l.* in August 1907.

In the debate on the Finance Bill on September 2, Mr. Balfour said:

"As far as I can make out, it is impossible that this duty on the manufacture of spirits will not increase the cost of spirits for the purposes of industry as well as for the purpose of consumption. Everybody who has followed industrial developments in recent years is aware that the use of spirits in methods of manufacture is becoming more and more general, and the Germans, who did not hamper in any way the use of spirits for such purposes, have an immense advantage. The Government ought to go as far as possible in allowing spirits used in manufactures to be obtained as cheaply as possible."

THE OPIUM-TRAFFIC.

Replying to Mr. J. D. Rees on Tuesday, Sir Edward Grey stated that recent reports from British Consular officers showed that the Chinese Government were both energetic and sincere in their attempts to suppress the cultivation of the poppy. Full reports of the proceedings of the International Commission are now on their way home, and will be laid on the table of the House of Commons as soon as possible.

WHAT IS A QUART.

The Chancellor of the Exchequer has informed Mr. Leverton Harris that a reputed quart is not the same liquid measure as an imperial quart. A reputed quart bottle has been recognised for a very long period as being generally used for wines and spirits, and in several Acts where quantities of wine or spirits are referred to the contents of one dozen reputed quart bottles are taken as being equivalent to two gallons, so that the quantity contained in one reputed quart bottle is estimated at one-sixth of a gallon. There is no standard reputed quart measure, and the quantity contained in a bottle sold as a reputed quart is not invariably quite the same. [In the discussion on the Bill on September 3 the quarter of a quart bottle was described as "The little Lloyd George."]

THE UNITED STATES AND IMPORTED SPIRITS.

On Tuesday the question of the U.S.A. duties on imported spirits again came before the House of Commons, Sir G. White asking the Chancellor of the Exchequer if the 3*d.* per proof gal. paid as drawback by the British Customs to exporters of spirits does not bring such spirits under the U.S.A. additional 25 per cent. *ad val.* duty chargeable upon imported goods upon which a bounty has been paid by the country of origin. Mr. Hobhouse referred Sir George to last week's reply (see *C. & D.*, p. 394), and in answer to subsequent questions said he would inquire further, but there is no reason to doubt the fact that the 3*d.* is not a bounty but a differential payment granted to manufacturers in consequence of the restrictions imposed on them by the Excise authorities.

ANÆSTHETICS BILL.

A curious situation has arisen in regard to the Anæsthetics Bill recently re-introduced by Dr. G. J. Cooper, which accounts for its continued appearance on the Order Paper of the House of Commons. Owing to a formality connected with the business of the House the Bill cannot be withdrawn, as each evening when the Government Orders of the Day are gone through the Bills of private members are left untouched. On the other hand, the Bill cannot be proceeded with, and consequently it is, so to speak, in mid-air. It was down on the paper again on Wednesday evening, and is still blocked by Messrs. Snowden, Wiles, Harwood,

Joynston-Hicks, Hogan, and Kendal O'Brien. It is the intention of Dr. Cooper to re-introduce his Bill next session and to ballot for a place at the opening of Parliament. It is also his intention to extend the Bill so as to bring the administration of cocaine in dental surgery within the provisions of the measure.

QUACK MEDICINES.

In the House of Commons, Captain Craig asked the Secretary to the Treasury, on Thursday, September 9, whether he was in a position to state the amount of revenue derived from the duties on quack medicines in the years 1905-6, 1906-7, and 1907-8 respectively.—Mr. Hobhouse replied 324,112*l.*, 327,106*l.*, and 334,142*l.* in these years respectively, whereupon the Captain asked whether this extraordinary increase from year to year in quack medicines was not attributed to a certain extent to the fact that the labels put on by the Government to collect the duty was taken by certain of the poorer classes to mean that the contents had Government approval.—"No, I don't think so," replied Mr. Hobhouse, "there is no extraordinary increase; it only goes from 324,000*l.* to 334,000*l.*."—Captain Craig: "That is an increase of 10,000*l.* on the duty alone." The matter then dropped.

London Drug Statistics.

The following statistics are compiled from information supplied by public warehouses. They relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses for the month of August and to the stocks on August 30:

	August		Stocks		1909	
	Landed	Delivd.	1909	1908	Imprtd.	Delivd.
Aloes.....cs. etc.	190	117	509	464	1,396	1,139
.....gourds	—	75	209	1,371	92	1,091
Aniseed, star.....cs.	2,668	1,055	9,720	9,764	10,915	7,615
Arrowroot.....pkgs.	85	10	544	429	605	423
Balsams... cks. etc.	18	3	99	182	76	163
Calumba.....bgs.	479	708	1,940	979	6,243	5,845
Camphor.....pkgs.	789	412	1,945	1,577	4,114	3,050
Cardamoms....."	1	32	476	*	20	153
Cascara sagrada tons	518	218	4,454	4,352	3,869	3,598
Cinchona.....pkgs.	—	—	—	5	—	—
Cocculus indicus..	—	62	609	682	477	595
Cochineal....."	20	35	55	155	75	140
Cubebs.....bgs.	—	13	127	125	170	149
Dragon's blood pkgs.	25	80	1,598	1,569	2,353	1,762
Galls....."	—	—	—	—	—	—
Gums—	—	—	4	4	15	21
Ammoniacum..	67	43	422	313	763	580
Animi....."	648	689	7,079	6,501	7,039	5,662
Arabic....."	5	16	192	325	148	231
Asafetida....."	183	178	1,238	382	2,471	1,788
Benzoin....."	1,098	3,197	23,804	21,322	25,809	29,659
Copal....."	20	289	3,961	2,252	3,368	2,547
Damar....."	—	—	—	—	—	—
Galbanum....	5	7	104	91	192	165
Gamboge....."	—	6	57	89	11	25
Guaiacum....	44	61	328	495	257	479
Kauri... tons net	—	4	32	117	2	88
Kino.....pkgs.	4	1	18	8	27	18
Mastic....."	52	52	357	434	331	352
Myrrh, E.I....	111	100	801	1,978	428	1,222
Olibanum...."	86	112	757	462	1,061	762
Sandarac....."	271	1,852	5,538	4,012	11,480	10,131
Tragacanth..."	—	—	—	—	—	—
Ipecacuanha—	—	—	—	—	—	—
Cartagena..."	15	8	78	36	163	102
E.I. ("Johore")..	—	—	3	45	18	20
Matto Grosso..	23	7	75	74	146	182
Minas....."	1	—	7	65	23	36
Jalap.....bks.	—	3	25	27	42	31
Nuxvomica..pkgs.	19	48	781	668	642	650
Oils—	—	—	—	—	—	—
Aniseed, star...cs.	15	2	66	38	94	57
Cassia....."	15	16	102	87	155	105
Castor.....pkgs.	73	34	186	277	563	620
Coconut.....tons	334	451	219	1,143	881	2,134
Olive.....pkgs.	245	304	1,846	2,482	4,390	4,404
Palm.....tons	6	1	8	8	17	17
Quinine.....lb.	1,250	4,612	202,071	207,526	33,125	40,527
Rhubarb.....cs.	—	77	523	424	220	589
Sarsaparilla...bks.	89	119	397	228	1,029	884
Senna.....pkgs.	823	355	1,147	618	3,022	2,885
Shellac.....cs.	7,620	4,668	48,205	39,111	38,471	35,387
Turmeric.....tons	31	11	303	261	242	169
Wax—	—	—	—	—	—	—
Bees.....pkgs.	319	187	1,954	2,693	2,585	3,240
Vegetable(Jap)..	227	128	887	92	1,497	792

* No record.

† Stocks of essential oils at Smith's Wharf and Brewer's Quay are not included.

Trade Report.

NOTICE TO BUYERS.—The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of drugs and oils vary greatly, and higher prices are commanded by selected qualities even in bulk quantities. It would be unreasonable for retail buyers to expect to get small quantities at anything like the prices here quoted.

42 Cannon Street, London, E.C., September 9.

THERE is a fairly good undertone in the chemical and drug markets, and the tendency of values of some important staples continues in an upward direction. Particularly does this apply to opium, where a further advance has taken place in primary markets, and on the spot supplies have never been known to be so bare, first-hands being practically without stock. The prices of codeine and salts have been marked up 7d., and morphine salts are also higher. Thymol is firmer, and an "official" advance has taken place in quicksilver. Copper sulphate is lower and ammonia sulphate is steady. Among drugs cascara sagrada is inclined to be firmer in some quarters. Hydrastis has had another sharp advance, and senega is firm. Chamomiles are much dearer as a result of the wet weather. Insect-flower prices are maintained. London being still the cheaper market. Cubeb oil has advanced owing to scarcity of genuine "oily" berries. Lemon oil is easy pending new crop. Common canary-seed is lower; coriander and fennugreek are both steady. Shellac at auction was irregular, opening easier but closing steadily. Turpentine is higher. The fluctuations have been as follows:

Higher	Firmer	Easier	Lower
Aloes (Cape)	Aniseed oil	Camphor	Canary-seed
Codeine and salts	Chamomiles	(Jap. ref.)	(common)
Cubeb oil	Coca-leaves	Ginger	Copper
Hydrastis	Damiana	(Jamaica)	sulphate
Kola	Morphine	Wax, bees	Benzoin†
Opium	Pepper		(Sumatra)
Quicksilver	Rosin		
Turpentine	Thymol		

Cablegrams.

SMYRNA, September 6:—Sales of opium amounting to one hundred cases have been made to American buyers at the equivalent of from 13s. to 13s. 6d. per lb. for extra Karahissar t.q., in consequence of which speculators are asking an advance of 6d., market closing with few sellers.

NEW YORK, September 9:—Business in drugs is fair. Opium has advanced 55c.—i.e., from 4.30c. to 4.85c. per lb. for druggists' by single cases, and the alkaloids are correspondingly higher. Cascara sagrada is quiet at 8c. per lb. Podophyllum-root (mandrake) is strong at 8c. Peppermint oil is steady at \$1.45 in tins. Copaiba is easy at 42c., and senega is easy at 40c. Hydrastis is steady at \$2.05 per lb.

Heavy Chemicals.

Business in the heavy-chemical market is rather heavier, especially for early delivery, and also on export account. Contract deliveries are on the whole satisfactory, and miscellaneous business shows an improvement. As regards forward business, the market is quiet. Values continue steady.

SULPHATE OF AMMONIA.—There is a very steady demand in this market just at present, and prompt supplies have been well taken up. Values are fractionally higher, and, with firm tone, tend towards further advancement. Present figures: Beckton prompt, 11l. 10s.; January-June, 11l. 12s. 6d.; Beckton terms, 11l. 2s. 6d.; London, 11l. 2s. 6d.; Leith, 11l. 10s.; January-June, 11l. 12s. 6d. to 11l. 15s.; Liverpool, 11l. 5s.; and Hull, 11l. 3s. 9d.

ALKALI PRODUCE.—Bleaching-powder is in fair request and steady on the basis of 4l. 5s. to 4l. 10s. per ton for softwood casks on rails. Caustic soda, especially high strength, has met with good demand, and there has also been some improvement in other strengths. Prices are steady, 76 to 77 per cent., 11l. to 11l. 2s. 6d.; 70 per cent., 10l. 5s. to 10l. 7s. 6d.; and 60 per cent., 9l. 5s. to 9l. 7s. 6d. Ammonia alkali is scarcely moving so briskly, but price remains steady at 4l. 10s. to 4l. 15s. per ton free on rails in bags. Demand for soda-crystals is on the whole good, and prices are steady at 55s. to 57s. 6d. per ton free on rails Tyne, 57s. 6d. to 62s. 6d. per ton f.o.b. Tyne, and 60s. to 65s. per ton f.o.b. Liverpool. Saltcake is without any appreciable improvement, with price at 40s. to 42s. 6d. in bulk. Bicarbonate of soda steady, at 5l. to 5l. 5s. in casks and 5l. 10s. to 6l. per ton in 1-cwt. kegs f.o.b. Liverpool. Chlorates of potash and soda quietly steady at 3½d. to 3¾d. per lb., according to quantity, etc. Yellow prussiates of soda and potash are on the quiet and easy side at 3d. to 3½d. and 4½d. to 4¾d. per lb. respectively. Hyposulphite of soda is rather quiet, and stands nominally unchanged in value. Ordinary crystals in casks, 5l. to 5l. 10s. per ton. In 1-cwt. kegs prices vary from 5l. 15s. to 7l. 15s. per ton, according to quality and quantity. Silicates of soda are in steady demand, both for home and export, at unaltered rates, 140° Tw., 4l. 5s. to 4l. 15s.; 100° Tw., 3l. 15s. to 4l. 5s.; and 75° Tw., 3l. 7s. 6d. to 3l. 17s. 6d. per ton, according to quality, quantity, and destination.

Manchester Chemical-market.

September 7.

Heavy chemicals on home account are rather slow, though prices are well maintained. On export account reports are again favourable, especially for caustic soda and bleaching-powder, values of which have an upward tendency. High-strength caustic soda continues exceedingly scarce. Sulphate of copper presents no new feature so far as demand is concerned, and for prompt delivery Manchester the range is from 18l. 15s. to 19l. per ton, with 19l. 10s. asked for early delivery next year. Borax is very firm at 15l. 15s. Acetic acid is a shade steadier, and acetate of lime is firm. A white powdered arsenic is in rather better inquiry. Oxalic acid is quoted 2½d. per lb. There is an improved tone in coal-tar products, and manufacturers are well sold for pitch. Sulphate of ammonia shows some improvement, and is quoted 11l. to 11l. 1s. 3d. per ton on rails Manchester. Benzols are quietly steady. In carbolic acid prices rule strongly in buyers' favour.

Continental Drug and Chemical Markets.

CARNAUBA WAX.—Demand has been insignificant during the last eight days, though the tendency was towards an advance. Holders of sandy-grey qualities were more reserved, and for small immediate orders 186m. to 187m. has been paid. Fatty-greys are practically unchanged at from 183m. to 184m.

CHLOROFORM.—The uniform prices so long maintained by manufacturers point to the existence of an association. Cheaper offers of another maker have, however, appeared during the past few weeks, which has probably prevented the advance spoken of. Such an advance might well be expected in view of the rise in alcohol.

COCAINE.—Here and there hydrochloride is being offered at 270m. to 275m. per kilo., a price which is below the parity of crude. The prices in question relate to old cheap contracts, which sellers are anxious to dispose of, as the market has been excessively quiet for some time.

CONDURANGO.—Supplies in Hamburg have been lacking for some time, and nothing has been offered from initial sources. The scarcity in spot goods has made itself felt, and holders ask 95m. to 100m. per 100 kilos., and a further rise is looked for.

HYDROQUINONE.—The syndicated makers have lately had new competition to contend with, and the cutting of prices has resulted, so that quotations hitherto ruling are liable to alteration.

JALAP RESIN is only offered in small quantities owing to the scarcity of good root, and prices have been raised to 45m. per kilo.

TARTARIC ACID.—Owing to competition of home and foreign makers, values have sunk so low that cheaper rates are regarded as impossible. There is a rumour that the coming vintages in France and Italy are unfavourable, in view of which an eventual advance in tartaric acid will have to be reckoned with.

London Customs Bills of Entry.

In accordance with the recommendations of a committee which has reported on the Bills of Entry published by the Statistical Office of the Custom-house, it is proposed, *inter alia*, to publish in the London Bill "A" the reports of ships arriving at London, Southampton, Harwich, Newhaven, Dover, and Folkestone only, and omitting the ports of Liverpool, Manchester, Fleetwood, Preston, Barrow, Goole, Grimsby, Bristol, and Hull. Copies of the Bills of Entry

published at Liverpool, Hull, Bristol, Newcastle, Glasgow, and Dublin will be open to inspection gratis by subscribers to Bill "A" in the Bill of Entry Office. The above proposals are not likely to meet with the approval of those who closely watch the imports at all the ports, and the fact that the arrivals of goods in Liverpool, Bristol, Hull, etc., are not to be recorded in Bill "A" certainly detracts from the information given, and is inconvenient to those who must inspect the Bills at the Custom-house.

London Markets.

ACID, TARTARIC, is unaltered, English offering on the spot at 10½d., and foreign at 9½d., the latter being offered freely.

ANISEED.—Small sales are reported at 21s. 6d. per cwt. for good Russian and at 19s. for Levant. The quotation for Spanish is unchanged at 37s. 6d. per cwt.

ARROWROOT.—At auction 277 barrels of St. Vincent were bought in at 2d.

BELLADONNA-ROOT is firm at 47s. 6d. per cwt. c.i.f., and for leaves from 50s. to 54s. 6d. c.i.f. is quoted.

CAMPHOR, CRUDE.—Chinese is steady, with sales at 140s. on the spot, and for arrival the quotation is 135s. c.i.f.

CANARY-SEED is lower for the cheaper qualities; ordinary Morocco offering at 47s. per quarter and cleaned River Plate at 48s. 6d., but the better kinds are nominally unchanged at 50s. to 51s. for good Morocco, and 60s. to 70s. for good to fine Spanish.

CASCARA SAGRADA.—Business has been done in three-year-old bark this week at from 40s. to 42s. per cwt. spot. There were 42 tons delivered from the drug-warehouse during August. In the drug-auction 100 bags three-year-old bark were held for 40s.

CHAMOMILES.—Immediately after the close of our last report a sharp advance took place, which has been followed by another this week, amounting in all to about 40f. per 100 kilos. This is due to the exceptionally wet weather, and it looks as if the new crop is going to be very small. The sales include old crop No. 1 at 70s., seconds at 65s., thirds at 60s., and new at 82s. to 87s. 6d., but at the close business has been done up to 97s. 6d., and 100s. to 110s. ex wharf is wanted. In the drug-auction ten bags Belgium new crop sold at 90s. for good, with a few brownish.

CHILLIES.—At auction a small lot of Japanese was bought in at 40s. for fair bright, slightly yellowish.

CHLOROPHYLL is offered at 4s. 6d. per lb. ex warehouse.

CINCHONA.—The shipments from Java to Europe during August 1909 amounted to 1,420,000 Amst. lb., against 1,673,000 Amst. lb. in 1908. The total shipments from January to August have been 9,655,000 Amst. lb., against 10,499,000 Amst. lb. in 1908. The auction to be held at Amsterdam on September 30 will consist of 763 bales and 1,113 cases *Succirubra*, and 8,249 packages *Ledgeriana*, hybrid and robusta, or 10,125 packages in all.

CINNAMON.—At auction 25 bales of Ceylon plantation sold without reserve at from 9d. to 9½d. for unworked coarse firsts.

CLOVES.—At auction 6 cases of Penang were bought in at from 1s. 2d. to 1s. 3d. for fair to good picked. Privately Zanzibar are firmer, with a fair business for January-March shipment at 4½d. c.i.f. and buyers. There are buyers of October-December shipment at 4½d., and January-March at 4¾d. Privately small sales of fair Zanzibar have been made at from 4½d. to 4¾d. per lb. spot.

CODINE.—The makers intimate an advance equivalent to 7d. per oz., the quotation for pure cryst. and precip. is 10s. 7d., hydrochlor. and sulphate 9s. 9d., and phosphate 8s. 11d. per oz. net, 70 oz. contracts being subject to a reduction of 3d., and subject to the falling clause on undelivered balance.

COPPER SULPHATE is lower, Liverpool brands offering at 19l. 10s. for September delivery, and October-December at 19l. to 19l. 5s. per ton.

CORIANDER-SEED is steady at 10s. 6d. per cwt. for new crop Morocco and 8s. 6d. for old wormy.

CUMIN-SEED sells slowly at 35s. to 37s. per cwt. for fair to good sifted Morocco; and Malta is unchanged at 38s. per cwt.

DAMIANA-LEAVES have advanced to 7½d. per lb., and higher prices are expected in New York, as the article is extremely scarce.

ERGOT.—New crop Spanish is quoted 1s. 7d. per lb. c.i.f.

FENUGREEK-SEED is steady at 8s. 6d. per cwt. for Morocco.

GAMBIER.—Retail sales of No. 1 *cubes* have been made at 38s. spot.

GINGER.—Quiet. At auction 400 packages of Jamaica were offered, of which about 150 sold at a decline of 1s. to 2s. per cwt., the sales including bold lean at 60s., good common at 52s., good ordinary small at 50s., and ordinary mixed Rhatoon at 46s. to 46s. 6d.

HYDRASTIS.—A further sharp advance has taken place, New York quoting 9s. 3d. c.i.f.; last spot business prior to this advance appears to have been at 8s. 9d. in limited quantities.

INSECT FLOWERS.—Prices are well maintained at from 180s. to 185s. per cwt. spot for best closed flowers, which values are about 10s. below those asked in Trieste, from whence reports state that the demand for the United States continues. We give below a table showing the prices of insect flowers at the opening of each season from 1887 to 1909, which shows how widely this product has fluctuated at different periods:

	Closed flowers	Half-closed flowers	Open flowers
	s.	s. d.	s. d.
1887	250	207 0	165 0
1888	166	137 0	100 0
1889	157	77 0	50 0
1890	120	77 0	47 0
1891	82	66 0	48 0
1892	64	42 0	34 0
1893	122	100 0	59 0
1894	112	80 0	45 0
1895	125	78 0	52 0
1896	183	137 0	100 0
1897	136	103 0	66 0
1898	104	63 0	43 6
1899	113	71 0	43 6
1900	105	70 0	40 0
1901	125	98 0	—
1902	140	100 0	75 0
1903	103	86 0	50 0
1904	84	70 0	50 0
1905	83	70 0	50 0
1906	80	72 0	56 0
1907	75	68 0	50 0
1908	123	101 0	70 0
1909	210	171 6	146 0

LAVENDER FLOWERS.—New French, which are somewhat scarce, are offered at from 35s. to 65s. per cwt. c.i.f. according to quality. In the drug-auction 10 bags of Spanish were held at 20s.

LINSEED is quoted 48s. to 50s. per quarter for good to fine.

MORPHINE.—In consequence of the advance in opium the market has been somewhat excited, and values are higher, makers quoting hydrochloride powder in small quantities at 6s. 9d. per oz., but they state a much higher price is warranted.

OIL, ANISEED (STAR), is higher at 4s. 8d. per lb. spot; offers of 4s. 1d. have been sent out, in reply to which 4s. 2½d. c.i.f. is cabled as lowest.

OIL, CUBE.—Owing to the scarcity and high prices of genuine oily berries the value of English distilled oil has been raised to 11s. 6d., an advance of 1s. 6d.

OIL, LEMON.—An advice from Palermo states that the general lack of demand from consuming quarters continues, sales being retail at practically unchanged figures. As regards new crop, the reports and forecasts which have been made are not such as to justify any material influence on the spot position. It has been reported from some districts that part of the blossoming had been scarce, but nothing definite can yet be said until September. For shipment 3s. to 3s. 3d. per lb. c.i.f. London is quoted.

OPIMUM.—The market has again been excited on the continued American buying as will be seen by our Smyrna cable, but the actual amount of business done has not been so large this week owing to the higher pretensions of holders. Smyrna dealers quote 13s. to 13s. 6d. for 11 per cent., and the sales include inferior druggists or seconds in Constantinople at 12s. 6d. c.i.f. for under 10½ per cent. On the spot it is practically impossible to buy any opium whatever from first-hands, there being ready buyers at 13s. 6d. to 14s., but sellers are instructed to hold what few cases are here. Persian opium continues very firmly held, and is in practically the same position as last week, with no sellers, the nominal spot price for 10 per cent. being 14s., and for October shipment 16s. per lb. c.i.f. is quoted, but at the moment this price precludes business.

A Smyrna correspondent writes on August 28 that the demand continues active, both on the part of speculators and consumers, and a further advance is reported, there now being no sellers under 116p., or fr. 35 for "extra" Karahissar. This demand is admissible on the part of sellers, as the largest American buyer at the closing of the market asked for "extra" Karahissar at 113p., or 12s. 3d., without even fixing the quantity. This action on his part shows a pressing need. The sales comprise 94 cases "extra" Karahissar t.g. at from 11s. 7d. to 12s.; 14 cases prime ditto at 11s. to 11s. 6d.; and two cases Yerli at 12s. 4d. per lb. c.i.f. Market closed very firmly, with a rising tendency, and buyers present. The arrivals amount to 1,144 cases, against 1,378 cases last year at the same date.

Reviewing the month of August, a Smyrna report states that from the beginning of the month the market followed an upward movement until from 9s. 6d. to 10s. 6d. as to quality the higher figures of 12s. to 13s. were reached. At these advanced rates there are very few sellers, as the demand from consumers continues, and buyers find great difficulty in executing orders. Some 377 cases changed hands in all for America, England, the Continent, and speculators, and the reason of the advance in prices is owing to material reduction in the outturn of crop, which, from 7,000 to 7,500 cases expected in July, has dwindled to about 5,000. Hot southerly winds with very dry weather during the time of harvesting the highland crops has caused this serious diminution. The arrivals to date amount to 1,144 cases, against 1,378 at same date last year, and in Constantinople 1,300, against 987. Prices last year same date were 12s. 6d. to 14s. 6d.

PEPPER, BLACK.—Nothing was offered at auction. Privately a large business has been done at higher rates, the sales including 150 tons of Singapore at 3½d. for September-November shipment and at 3½d. to 3½d. for January-March shipment. The spot price is 3½d. for fair Singapore.

PEPPER, WHITE, is also higher, the sales including 60 tons of Singapore for August-October shipment at 4½d., and October-December at 5½d. per lb. c.i.f. d/w. On the spot the value of fair Singapore is 5½d. At auction 5 bags of Ceylon sold at 5½d. for good fair.

PIMENTO.—Quiet, with sales at auction at 2½d. per lb. for fair.

QUICKSILVER is 2s. 6d. per bottle higher, at 8l. 7s. 6d., and in second hand 8l. 6s. to 8l. 6s. 6d. is quoted. Mercurials are unaltered.

QUININE.—At the auction of the Amsterdam quinine works held on September 3, 50,000 kilos. sulphate sold at an average price of 10.23½fl. per kilo., against 10.50fl. kilo. at the previous auction. There is a fair demand for consumption, which has resulted in the absorption of most of the cheap parcels offering.

RESIN is higher, the value of common strained on the spot being 8s. 10½d. per cwt.

SENEGA.—After doing business at 1s. 10d. to 1s. 10½d. net last week, holders now ask 1s. 11d. to 1s. 11½d. spot., the price to arrive being nominally 1s. 11½d.; offers are few, however, the demand in New York being larger than the supply. In the drug-auction a single bale of ordinary sold at 1s. 10d., no allowances or discount.

SHELLAC.—At auction on Tuesday the large supply of 887 cases was offered, of which practically all sold without reserve at irregular prices, opening easier for second orange, but closing steady; fine orange was easier. Fine strong pale orange slightly matted sold at 81s. to 85s., good to fine second orange mostly more or less out of condition from 75s. to 79s.; TN descriptions fair to good free 70s. to

74s., slight matted to firmly matted 70s. to 74s., low dark liver matted to blocky at 59s., bronze matted at 68s. to 69s. Ordinary firsts Button slightly cakey 72s., small dark free 67s., DN 3 58s., blocky dark 57s., resinous free mixed pieces 54s., weak dark glassy free 41s. to 47s. per cwt. Privately the spot market is steady at 72s. to 73s. for TN spot, on which basis sales have been made, and for November-December shipment 72s. c.i.f. is quoted. Futures are dearer with a good business including March at 75s. to 76s. 6d., and May 77s. to 78s.

THYMOL is firm, but prices vary somewhat according to maker, from 5s. 9d. to 6s. being quoted.

TURMERIC.—Privately small sales of fair Madras finger have been made at 17s., and sellers of Bengal quote 19s. Retail sales of split Cochin bulbs have been made at 13s. 6d. to 14s. per cwt. In the drug auction 76 packages small Madras finger, slightly wormy, sold at 17s.

TURPENTINE has advanced from 9d. to 1s. per cwt. on the week, American closing on the spot at from 41s. 3d.

VALERIAN.—The spot price of Belgian is 30s. per cwt.

WAX, JAPANESE.—Privately good squares offer at 45s. to 45s. 6d. spot.

London Drug-auctions.

At the sale of new and second-hand drugs, the tone was by no means brisk, and as the auctions were not concluded until well after the lunch-hour the room wore a deserted appearance for a full half-hour before the close. The feature was again the keen demand for Tinnevely senna, which brought higher rates, especially for common leaf. Cape aloes appreciated several shillings, owing to scarcity. Sumatra benzoin declined 2s. 6d. to 5s., and for cardamoms steady prices were paid for Mysore, but Indian were easier inclined. Dragon's-blood sold steadily, Jamaica honey was full up, and Matto Grosso ipecacuanha, the only description sold, was steady. Kola and coca-leaves were dearer. Rhubarb was quiet. Grey and Lima-Jamaica sarsaparilla was steady, but native was neglected. Beeswax was mostly neglected.

ALOES.—Cape aloes, as compared with the previous prices paid in public auction, was from 4s. to 4s. 6d. per cwt. dearer for Mossel Bay (usual 20 per cent. tares), 27 cases being offered and sold, including good to fine bright hard firsts, 35s. to 36s.; fair seconds ditto, at 33s. to 35s. 6d.; ordinary dull and drossy, 31s. to 32s. 6d.; and low drossy, 28s. per cwt. Eleven cases Algoa Bay sold on estimated tares at 31s. 6d. for good bright hard, 30s. for fair ditto, and 28s. for ordinary. Thirty-seven cases Curaçao were bought in, including fair liver at 65s.

ANNATTO-SEED.—Eleven bags of good bright Madras were bought in at 4d.

BALSAM PERU.—Two cases of fair from Acajutla were held at 6s. 9d. per lb., and 6 cases at 7s.

BENZOIN was 2s. 6d. to 5s. lower, a string of 50 cases selling at 5l. 5s. for common seconds, and from 5l. 10s. to 5l. 12s. 6d. for rather better packed; 3 cases common broken thirds sold without reserve at 60s. per cwt; 15 cases Palembang in tins sold at 40s. per cwt. for fair thirds.

CAMPHOR.—Five packages of Japanese refined (¼ oz.) were held at 1s. 8d. per lb., and 15 cases 2½-lb. slabs sold without reserve at 1s. 5½d. to 1s. 6d. (one lot), and 10 cases ¼-oz. tablets, also without reserve, realised 1s. 7½d. to 1s. 8d., all no discount.

CANNABIS INDICA.—Fair Bombay tops were offered at from 4s. 10d. to 5s. per lb. for ordinary to fair greenish.

CARDAMOMS.—The large supply offered met with a dragging demand. Prices of the better grade were steady, but Indian were slightly easier. Practically 350 packages were offered, and 234 sold, including: Ceylon-Mysore, extra bold pale picked, 2s. 11d.; good bold pale, 2s. to 2s. 3d.; medium and bold palish to pale, 1s. 9d. to 1s. 11d.; medium palish to pale, 1s. 6d. to 1s. 8d.; small dullish, 1s. 5d.; brown and split and pickings, 1s. 4d. to 1s. 5d.; Seed, 1s. 7d. Indian, from Tuticorin, Calicut, etc., bold pale, 2s. 1d. to 2s. 2d.; medium and bold ditto, 1s. 10d. to 1s. 11d.; small and medium, 1s. 5d. to 1s. 7d.; splits, 1s. 5d. to 1s. 7d.; good seed, 1s. 7d.; ordinary foxy, 1s. 6d.

The exports from Ceylon from January 1 to August 16, 1909, amounted to 421,248 lb., against 371,299 lb. for the corresponding period of 1908; shipments to the U.K. have been 205,438 lb.

CHIRETIA.—Seventy-eight bales of fair were held for 3*d.* per lb.

COCA-LEAVES.—Dearer. The only parcel offered (8 packages) sold at 1*s.* 1*d.* for fair greenish Ceylon-Huanuco, and 11*d.* to 11½*d.* for brownish. At Amsterdam, on September 8, 215 packages will be offered.

CUSCUS.—A bid of 15*s.* per cwt. is to be submitted for 11 bales of fair.

DRAGON'S-BLOOD.—*Reeds* sell privately at 10*l.* 10*s.*; in auction 5 cases fair were bought in at 11*l.* A case of fair reboiled Singapore lump sold at 10*l.*, and a further case belonging to the same parcel afterwards sold privately at 10*l.* Also. A case of middling dullish lump sold at 7*l.* 12*s.* 6*d.*, and two cases dull lump at 7*l.* per cwt.

GAMBOGE.—A lot of nine cases very fair Siam pipe slightly blocky was held at 14*l.* 15*s.*, a bid of 14*l.* 2*s.* 6*d.* being refused.

HONEY.—Jamaica was fully steady. Ordinary brown and darkish liquid in barrels sold at from 23*s.* 6*d.* to 24*s.*, fair liquid 25*s.* to 25*s.* 6*d.*, and fair setting and set 27*s.* to 28*s.* 6*d.*; 25 barrels Hayti sold at from 23*s.* 6*d.* to 27*s.* 6*d.*; 42 cases St. Lucia were retired at 27*s.*, and 40 cases yellow set New Zealand at 40*s.* per cwt.

IPECACUANHA.—Steady. Of ten bales Matto Grosso offered, three sold, including good bright native-picked natural at 5*s.* 10*d.*, fair bright at 5*s.* 8*d.*, and sea-damaged at 5*s.* 3*d.*; from another catalogue eight bales Matto Grosso offered, and one sold at 5*s.* 7*d.* for fair lean dullish. Six bales fair Minas were held for 5*s.* 8*d.*, a bid of 5*s.* 7*d.* in one instance being refused. Four packages dull earthy Cartagena were bought in at 4*s.* 6*d.*, and seven bales were held at from 4*s.* to 4*s.* 3*d.* as to quality.

KINO.—Two cases fine bright Cochin were retired at 1*s.* 4*d.* per lb.

KOLA.—Dearer. Thirteen bags of good dried Jamaica sold at 3½*d.* per lb., and 3½*d.* was also paid for 37 bags Ceylon.

MENTHOL.—Three cases Yazawa brand offered, and sold without reserve at 8*s.* 2*d.* per lb., and for a protected parcel marked GWLC in diamond the buying-in price was 8*s.* 9*d.*

MYRRH.—Three cases fair Somali slightly blocky sorts sold at 60*s.* per cwt., which price is also asked privately. Good Aden sorts are scarce and wanted. Four cases dark pickings sold at 46*s.* without reserve.

OIL, LIME.—Six cases of West Indian distilled were bought in at 1*s.* 9*d.* per lb.

OIL, PEPPERMINT.—In auction 15 cases Japanese (Kobayashi) were bought in at 5*s.* 9*d.*, a bid of 5*s.* 6*d.* being refused. Privately Wayne County is very firm and in upward tendency. At the close it is doubtful if 6*s.* 6*d.* c.i.f. will buy, this figure having been bid, but no reply forthcoming. H.G.H. is firm at 8*s.* 9*d.* London terms.

RHUBARB.—Quiet. Two cases of medium flat high-dried with three-quarters good pinky fracture sold at 1*s.* 1*d.*, and bold ditto was held at 1*s.* 2*d.* Two cases bold flat ditto with half pinky and half grey fracture sold at 10½*d.* Bold round Shensi with three-quarters palish pinky fracture was held for 1*s.* 7*d.*

SARSAPARILLA.—In spite of the large quantity of Grey Jamaica offered (52 bales), it was practically all disposed of at steady prices, fair selling at 1*s.* 1*d.* to 1*s.* 2*d.*, and for ordinary rough and part dark 1*s.* 1*d.* was also paid; 23 bales of Native Jamaica offered, but this description is quite neglected at the moment, one bale only selling at 1*s.* for fair red. Nineteen bales Lima-Jamaica offered, of which thirteen sold at 1*s.* per lb., being steady. A further seven bales Native were bought in at 1*s.*, and two bales Honduras were held for 1*s.* 8*d.* per lb. With Lima and Grey Jamaica approaching so close in price to Native, it is difficult to sell the latter for the time being. The *s.s.* *Thames* has brought 19 packages of Native from Jamaica.

SENA.—The offerings of Tinnevely were again fairly large, amounting in all to 545 bales, of which practically all sold. Quality on the whole was good and demand was active, with prices higher. Fair bold green leaves realised from 3½*d.* to 4½*d.*, medium ditto 2½*d.* to 3½*d.*, small green 2½*d.* to 2½*d.*, and common 2*d.* to 2½*d.*; *Pods* sold at 3*d.* to 3½*d.* per lb. Ten bales ordinary Alexandrian broken leaf

were held at 2½*d.*, and for *Pods* from 4½*d.* to 6*d.* was wanted for dark to fair.

TAMARINDS.—Seventeen packages fair rather dark Barbados were offered, for which 14*s.* in bond was wanted.

WAX, BEES.—Jamaica was mostly bought in, small sales being effected at easier rates. Of 40 packages offered, seven sold at from 7*l.* 15*s.* to 7*l.* 17*s.* 6*d.* per cwt. for good and 7*l.* 12*s.* 6*d.* for ordinary. Of Madagascar, 148 packages offered, of which 40 had been sold privately; 6*l.* 15*s.* was wanted for the remainder, which was also the price of 100 packages Zanzibar; 15 bags Chilean were held at 8*l.* 5*s.* Seven blocks of African sold at 6*l.* 10*s.* per cwt., and three bags at 95*s.* A case of West Indian sold at 7*l.* 7*s.* 6*d.*, and a case of Australian at 7*l.* 17*s.* 6*d.* About 40 packages low drossy broken Abyssinian sold at from 72*s.* 6*d.* to 87*s.* 6*d.* per cwt.; eight cases good Australian realised 7*l.* 15*s.*, and one case chips 90*s.*; two bags East African sold at 40*s.* for low.

Zanzibar Cloves.

According to Reuter, the Agent of the Zanzibar Government has received the following telegram, dated Zanzibar, August 6: "The budding on the clove plantations in Zanzibar and Pemba being now completed, the Zanzibar Government do not modify the forecast of the crop issued on July 3." [The report to which reference is made was published in the *C. & D.* of July 10, p. 64, and was to the following effect: According to a forecast of the clove-crop issued by the Government, there are indications that in one district of Pemba the yield will be in excess of that of last year. In the remaining two districts and in Zanzibar the budding is at present light. It is expected that the total crop will be considerably less than last season. The forecast is based upon the present condition of the trees, but it is pointed out that conditions may arise to modify the forecast later on.]

Planting in Ceylon.

According to the "Ceylon Handbook and Directory" for 1909-10, just published, the area under cardamoms in Ceylon in the middle of this year was approximately 7,738 acres, a decrease of 612 acres as compared with the corresponding period of 1908. The area under camphor is 1,200 acres, being the same as in 1908, but the production is infinitesimal at present. A mere 196 acres represents cinchona, being an increase of 23 acres. Annatto, coca, kola, rami, vanilla, pepper, cloves, citronella-grass, divi-divi, croton-seed, eastor oil, aloes, cinnamon, tobacco, and cotton account for 7,000 acres. In July of this year there were also 395,000 acres under tea, 36,000 acres under cacao, and 184,000 acres under rubber, the last-named representing an increase of 4,000 acres.

Rubber-auctions.

The fortnightly auction of rubber at the Commercial Sale-rooms, Mincing Lane, will in future be held on Tuesday, at 11 A.M., instead of Friday as at present, samples being placed on show on the previous Monday at 10.30. The auction will close at 5 P.M., and there will be an interval for lunch. In order to save time small lots will be offered together as much as possible, but shippers are requested not to send less than 2½ cwt. of each quality. Bids on plantation rubber are to advance by not less than ½*d.* per lb. at a time, and it is hoped thereby to sell one hundred lots an hour. Lots under 2 cwt. are to be "starred" in the catalogue, and when not bracketed with other lots they are to be offered at the conclusion of the catalogue or sold privately, whichever is convenient.

Seychelles Vanilla.

The annual report of the Colonial Office on the trade of Seychelles for 1908 states that the vanilla crop was less than half an average in quantity and of poor quality, but the prices were fairly well maintained. As gauged by the declarations at the Customs, the value of the yield was little more than one-fourth of that of 1907. The average price per kilo. may be put down at Rs. 10.67, as compared with Rs. 15.02 in 1907; the maximum average price per kilo. was Rs. 33.06 in 1900, and the lowest Rs. 5.87 in 1905. Vanilla was the staple product of Seychelles up to 1904, and its value exceeded the aggregate of all other products. But a crop which varies from 17,000 to 66,000 kilos. in consecutive years owing to trifling variations in the sunshine and rainfall, and in price from Rs. 6 to Rs. 15 per kilo., cannot be calculated upon as a staple product. Proprietors still plant and tend their vines, but only as a by-product which may bring much or little pocket-money. The exports in 1908 amounted to 24,773 kilos., valued at Rs. 164,485.

BOARD OF AGRICULTURE AND FISHERIES.—Leaflet No. 222, issued by the Board from 4 Whitehall Place, London, S.W., draws attention to the poisonous properties of *Colchicum autumnale* and the preventive measures to be adopted against the plant. Leaflet No. 224 deals with narcissus-cultivation, and leaflet No. 226 with broom-rape.



TO CORRESPONDENTS.—A letter for publication should always be a distinct communication; nothing else should be mixed up with it. Each query—no matter whether legal, dispensing, or general—should stand by itself, and the paper upon which it is written should always be backed with the shop stamp. We do not undertake to reply to queries by post. Write clearly and concisely on one side of the paper only. All communications should be accompanied by the names and addresses of the writers. Publication of letters does not imply our agreement with them. Letters received after Wednesday morning cannot as a rule be dealt with in the current week's issue.

What is Sweet Oil?

We have received further opinions in regard to the oil which should be supplied when sweet oil is asked for, and append abstracts:

Colza is generally given for the above in Cumberland.—*G. C. Gass (Whitchavon).*

My experience is—olive oil in London and South, colza in the North.—*B. L. Burrell (Sheffield).*

During a period of sixteen years covering my experience in five different houses, colza oil, without exception, has been supplied when sweet was asked for.—*John Gray (Belfast).*

When I entered the drug-business, nearly fifty-seven years ago, I was taught to give rape oil when sweet oil was asked for, and olive for best sweet oil, which I have done ever since, and shall continue to do. I have printed labels for "sweet oil" and "best sweet oil," and my assistants and apprentices have no hesitation as to which to sell.—*Wm. L. Fleeming (Wolverhampton).*

Evidently "Veteran" in his varied forty years' experience, has never been in the North of England or in Ireland or Scotland, as colza oil is undoubtedly meant and supplied when "sweet oil" is asked for. In fact, I was slightly puzzled, when I came to the South and West of England, to find they meant ol. olive or ol. amygd. dule. when they asked for sweet oil.—*Another Veteran (Trecorchy, Glam.).*

Your replies would indicate that sweet oil really is colza. In London probably the demand for burning-oil is less, and consequently colza would be stocked seldom. This would probably account for London chemists selling olive oil when sweet oil is asked for. In the Midlands I sold colza for sweet oil; near London, as indicated by the slip label affixed, "olive (or sweet) oil." The various opinions expressed make interesting reading; possibly the nature of the reply indicates fairly well where the writer gained his experience.—*Arthur W. Pumphrey (Streatham).*

Finding that not one of your numerous correspondents of last week seems to have suggested what I think to be the historical origin of the name, I am tempted to recall a few facts of the late 'fifties. I was apprenticed just over fifty years ago to a pharmaceutical chemist in a Renfrewshire manufacturing town. On the oil-shelf one of the shop-rounds was labelled "Ol. Dulcis." This was periodically replenished with ol. rapii obtained from the Glasgow Apothecaries' Co. Colza was a name unknown, mineral oils had not yet arrived. The oils which were used for lubricating-purposes were "sweet" as above, castor (for farm-carts), olive, and for clocks almond. Lamp-oils were also in demand, but were sold by the village grocer, who had in the front shop an open tin-lined square tank, at the end of which was a perforated tin shelf upon which the tin measures and funnel reposed. Lamp-oils were whale and seal—the only cheap oils of the date—and they were certainly not sweet. The smell of this emporium still lives with me. At the time I considered it characteristic of a grocer's shop; a shop in which the illuminant of the very poor—tallow candles (dips)—in huge bunches depended from thick wooden pins inserted transversely in a beam high over the counter, and where, I well remember, also were sold "ham" (the Scottish village knew not the name "bacon" in those days), "superior black tea" (at 4s. per lb.), "loaf sugar" (which during the Crimean war retailed at 1s. per lb.), and moist (very dark brown stuff) at 8d. The ancient and fishlike odour due to the open oil-tank I know dominated all, and advertised one's arrival at "the grocer's," as Strand tourists now recognise Rimmel's. The village was well supplied with gas, although without street-lamps, and these oils were in my day only used for farm and stable lamps and by miners for their working pit-lamps; but very large quantities seem to have been sold. They certainly were not sweet, and without doubt they bulked very largely previous to the introduction of gas in the minds of oil-users.

They were at times used for lubricating-purposes, being non-drying, just as sperm oil is used to this day. One can readily picture the separation in domestic parlance of burning and lubricating oils into the two classes "oil" and "sweet oil," meaning the rank fish-oils on the one hand, and the vegetable, comparatively odourless rape oil, which was by some used as a finer burning and lubricating oil. One also must not lose sight of the state of the—shall we say?—refinement of the time. The really odourless oils which chemists now know were unheard of. Almond was the one representative of the class. Castor oil pressed in India was rank and dark. Sesame oil (sharp smelling and of very drying quality, requiring admixture of olive or castor to fit it for the hair) was just coming into use. Nut oil and cotton oil were unknown. Petroleum oils were only referred to in the newspapers and magazines. A paraffin-lamp was as much a curiosity then as an aeroplane in 1909, and odourless petroleum oils and jellies were undreamt of. Hair-oil was largely used by all, and the sweet (rape) oil was accepted by the artisan class as a matter of course—well scented, it must be allowed; cinnamon (cassia) and balm (citronella) being the popular kill-at-a-hundred-yards perfumes. In this way, I think, we may trace the *raison d'être* of the term "sweet" as far as the provinces are concerned within our own time. If it were possible to obtain information from records, I have little doubt that London and the South of, say, fifty years earlier, would possibly reveal like conditions and practice. My experience following apprenticeship was obtained in Glasgow, where I remember no difference in custom; but when, after four years, I moved to Edinburgh, and had as senior "a Dinneford's man," and at times English customers to serve, my cocksureness concerning the universality of the meaning and application of the word "sweet" as applied to oil received an occasional jar, and I have long come to recognise in the South the necessity for caution and a rapid historical *résumé* before translating "sweet oil" when it is asked for or appears in a domestic recipe.—*W. L. H. (156/41.)*

Proprietary-medicine Trade.

SIR,—We have read "Xrayser's" note with regard to Messrs. Sutton & Co.'s reticement with some surprise. The letter sent by Messrs. Sutton to their customers announcing their retirement commences as follows: "Our accountants inform us that the patent-medicine trade, with its attendant expenses, is an absolute loss to us." As this is the third firm to abandon wholesale dealing in patent medicines within the last few years, and no new ones have started, it hardly looks as if the profits were as princely as "Xrayser" seems to think. It is by no means unknown for a wholesale patent-medicine house to do a year's trading at a loss. The perusal of the balance-sheets you publish yearly of one of the largest wholesale houses surely does not indicate that the trade is particularly healthful. Yours faithfully,

London, N.W., September 4.

SANCERS.

Stocktaking.

SIR,—I was very amused (I cannot say surprised) on reading "Jay Mack's" reply to "Wright Tack." If this is his idea of taking stock, chemists may just as well save themselves the trouble, as it would be quite useless for any practical purposes; for unless the stock is taken in full detail and every item put down separately, it is impossible to arrive at the true value. I undertake to say that if a 500*l.* stock was taken in "Jay Mack's" style, it would be at least 100*l.* out, one way or the other. Is he serious when he suggests that stock-bottles should be taken at so much apiece? I cannot think he is. Take a row of shop-rounds containing from 4 to 12 oz. of tinctures: would this average out at only 1*s.* each? Or the poison-cupboard containing morphine, cocaine, liq. opii sed., ext. bellad., ext. nuc. vom., ext. ergote, ol. amygd. ess., chloral hydras, etc.—6*d.* apiece is absurd. My advice to anyone thinking of taking stock is to do it thoroughly or not at all, and to remember that the most tedious part of the work is not taking it down, but pricing it out. Are all "Jay Mack's" writings on a par with his method of stocktaking? He stated once that he saved about 900*l.* [?—Ed.] while he was a manager. Since then he has been in business on his own account: it would be interesting to know whether he has succeeded in increasing his capital or otherwise, because it is not much use telling chemists what to do and how to do it if he cannot do it himself. Yours faithfully,

WILLIAM S. FISH.

35 Jewry Street, London, E.C., September 4.

Chemists' Scales.

SIR,—Permit me to correct two small inaccuracies in your article on this subject. Weighing-instruments newly brought into use by pharmacists, as I read Regulation 75, need not be "beam-scales," but, if not beam-scales, must satisfy the requirements for Class B instruments with respect to accuracy and sensitiveness. Further, an inspector is permitted by the regulations to exercise his judgment in the matter of obliterating the stamps of scales which fail to comply with the regulations; he may give the trader time (not exceeding twenty-eight days) to have the instrument adjusted. R. R. (156/45.)

[The following lines were in our article, but were removed to "square" the column:

The regulations do not prohibit the use of "any equal-armed instruments . . . the pans of which are above the beam" (i.e., "counter-machines"), provided they "satisfy the requirements of Class B instruments in Table XIV." Such instruments, or others satisfying the requirements, constitute the third class that retail chemists may use.

Regulation 75 is in the section headed "beam-scales," and refers to "weighing-instruments," which may mean other than beam-scales and counter-machines, but these substantially cover the requirements and practice of retail chemists and druggists.—Ed. C. & D.]

Oils of Thyme and Origanum.

SIR,—The market report in your issue of September 4, p. 418, contains the following paragraph:

OIL, RED THYME.—This is now being sent from Cyprus in moderate quantities, quality being exceptionally fine, analytical results showing 60 per cent. phenols, as against a yield of 25 per cent. to 30 per cent. from French oils. The value is from 3s. 10d. to 4s. per lb.

This, in my opinion, is somewhat misleading. Although it is quite true that the oil originally known in pharmacy as oil of origanum was derived, so far as the better grades were concerned, from *Thymus vulgaris*, and the inferior grades from a mixture of that oil with that of other species of thyme and spike lavender, and the poorest grades with turpentine, yet it should be pointed out that the oil sent to this country now from Cyprus is not oil of red thyme, but is actually the oil of a species of *Origanum*. This oil I described in a paper to the North British Branch of the Pharmaceutical Society (see C. & D., December 23, 1905, p. 970). The important point with regard to the oil is that although the phenols contained in it are as a rule present in greater total percentage than in the French oil of *Thymus vulgaris*, the phenol constituents are not identical, the principal phenol—in fact, almost the whole of the phenols—consisting of carvacrol. Experiments that have been made, and partly at my request, on the relative values of thymol and carvacrol as disinfectants and antiseptics, appear to indicate a slight preference for thymol over carvacrol, but both of them are so powerful that the difference is practically negligible. In a report recently issued by the Imperial Institute, reference is there made to the production of pure carvacrol by the Government of Cyprus, the first consignment of which was purchased by my company. It would indeed be interesting if the oil which originally found a place in pharmacy, under a misnomer, as oil of origanum should be at no distant date chiefly derived from a species of *Origanum*.

Yours faithfully,

JOHN C. UMNEY.

48 Southwark Street, S.E., September 6.

["Oil of Red Thyme" is the commercial name which has been given to the Cyprus oil since it began to be distilled and exported to England, about ten years ago (C. & D., December 20, 1902, p. 1026). In 1899-1900 the exports to England amounted to 237 lb., and the quantity increased yearly. Mr. Umney's reference to the species of *Origanum* which yields the oil recalls the communication on the subject by Mr. Saracomenos, Director of Agriculture, Cyprus, in the C. & D., March 9, 1907, p. 365, when it was stated that it is *Origanum hirtum* or *O. Onites*; but Mr. Holmboe, of Christiania, considered that it is *O. dubium*, a sub-species of *O. Maru*. L. The Cyprus Government Analyst then reported that the oil yielded him 81.6 to 84.8 per cent. of thymol, and we pointed out that this was at variance with the experience of the Imperial Institute chemists, who identified the "phenol" as carvacrol (82.5 per cent). Mr. Umney had previously (1905) done the same, and isolated 81.5 per cent. from the sample submitted to him. We propose to describe the oil as Cyprus origanum oil, instead of oil of red thyme, which is obviously a misnomer, although officially used.—Ed. C. & D.]

The Practised Nose.

SIR,—The article in the C. & D., August 14, p. 292, by Mr. Jno. C. Umney is, like all his communications, most interesting and to the point—a combination of the conclusions of the highly skilled chemist and analyst with the commonsense of the equally skilled everyday business-man. The sentence "In which to the practised nose the presence of this adulterant is at once apparent" specially strikes me as being very much to the point, and also the last paragraph, in which the same thing is emphasised. It is said that "tea-tasting" is a gift which can be developed but not produced, and the same thing applies to things pharmaceutical. I have known men whose eye, tongue, and "practised nose" would at once pronounce a sample of cod-liver oil pure or otherwise without a single chemical test, and I would trust such a verdict rather than the conclusions of ever so clever an analyst who arrived at a conclusion solely as a result of chemical analysis. The law proceedings some years ago re adulteration of cod-liver oil, in which Mr. Umney rendered such good service to the drug-trade, are a case in point. Few are the men who have both qualifications, but where they exist it is a business asset of no little value.

Yours faithfully,

August 27.

WM. BOUSFIELD.

Bulgarian Otto of Rose.

Messrs. T. W. Semmler & Co., New York, American agents for "Exquisite" brand of otto of rose exported by Messrs. Petko Iv. Orozoff et Fils, of Bulgaria, write in regard to our article of July 31, which concluded as follows:

Curiously enough, the "bull" party in Bulgaria, while "bulling" the home market, are "bearing" it abroad, and offer "exquisite grade" otto at 20 per cent. below the price they pay for it in Bulgaria. *Autres temps, autres mœurs*.

Messrs. Semmler presume that "by 'exquisite' goods we refer to the 'Exquisite' otto of rose," but that was not in our minds at all. They also refer in their letter to the high standing of their principals, and remark in concluding: "The question of the adulteration of otto of rose is a serious one, and its seriousness is only just beginning to be appreciated by buyers in England, America, and France, who have too often been paying a high price for a poor article."

The Volumetric Estimation of Ammonium Phosphate.

Mr. John M. Wilkie, B.Sc., of Nottingham, writing in reply to Mr. P. B. Dallimore's comments (C. & D., September 4, p. 422) upon his paper on this subject (C. & D., August 28, p. 379), submits the following points, after disclaiming any idea of discrediting Mr. Dallimore's work (Mr. Wilkie's paper was in type long before Mr. Dallimore's was published):

"My silver process for the determination of phosphoric acid is new, whereas my plan of boiling with excess of caustic alkali to expel ammonia, followed by titration with standard acid in the presence of methyl orange, involves no new principle. On theoretical grounds alone extreme dilution is to be avoided in the latter case. Treadwell (Bd. II., p. 420, or Eng. trans., Vol. II., p. 430) puts the matter very well thus:

With half-normal solutions the end-point of the reaction is fairly sharp, with tenth-normal solutions it is less so; in the latter case an excess of above 0.3 c.c. of the tenth-normal alkali is necessary to cause the change from red to yellow."

If in Mr. Dallimore's results we divide the percentage figures by 4.866 to obtain the volume in c.c. of decinormal soda neutralised by the phosphoric acid corresponding to the 0.2 gram salt used in each experiment, the figures so obtained are almost uncannily in their absolute agreement—

15.87, 15.88, 15.88, 15.88.

What about the 0.3 c.c. referred to by Treadwell? Such numbers cannot be obtained even when decinormal hydrochloric acid is neutralised directly with decinormal soda under the most favourable conditions, using methyl orange as indicator. For "fair approximations" it is necessary to work in stronger solution and take precautions against extraction of alkali from the glass vessels, these being the conditions presented in my paper; it is also necessary when a sharp end-point is desired to boil off carbon dioxide after expelling ammonia; but the extra accuracy so obtainable does not compensate for the complication introduced, more especially when the much more accurate silver process is available. A point apparently overlooked by Mr. Dallimore, though emphasised in my paper, is that results based solely on the phosphoric acid content are most misleading. The specially attractive feature of my rapid process is that it enables one to determine both ammonium and phosphoric acid."

Suppositions and Realisations.

SIR,—“W. B.” complains of the injustice to which he has to submit in being compelled to employ in a managing capacity qualified instead of, as previous to April 1, unqualified assistants. It is quite possible that many trustworthy, sober, and businesslike men belong to the latter category; but when your correspondent describes gentlemen with the diploma as “drunken thieves,” he shows a weakness for generalisation which a pharmaceutical education should have eliminated. Is it possible that a liking for science and beer should be inseparable; and are we to compare the different colleges of pharmacy to Mr. Fagin’s school for youthful criminals?

Yours, etc.,

W. A. A. (155/29.)

SIR,—I read with interest the letter of “W. B.” in your last issue, but cannot quite follow his conclusions. He speaks of “drunken thieves of qualified men”—a very strong expression indeed. After some years’ experience as an employer, I have found that the men to be most careful about are those who are married and unqualified, even if their wives have a private income (a favourite expression). The salary the average unqualified man receives, especially in London, is not nearly sufficient to maintain a comfortable home, and the money has to be found somewhere. My own experience is that a large proportion of these men develop a decided tendency towards Socialism with regard to the cash takings, stock, and spirituous preparations. In my opinion, employers would be wise if, before engaging a married unqualified assistant, they verified the references given by a personal call on his former master, if convenient to do so. Needless to say, I am a

VICTIM. (156/10.)

SIR,—The letter signed “W. B.” in your last week’s issue leads the ordinary person to believe that because a person is qualified by examination, he or she is of necessity a drunken thief, unworthy of any trust. Qualified assistants, brought up in a decent home, have often been very disagreeably surprised when, having secured a situation at one of the shops belonging to certain individuals, they have been called upon to work in establishments which, usually managed by the errand-boy, the female post-office clerk, or the employer’s youthful son, have for years been kept in a state of perpetual filth; the drugs unexamined before they have been sold, the poison regulations openly disregarded, and an objectionable Malthusian class of trade done. The sole object in life of the owners of such shops is the acquisition of money, no matter how the money is obtained; the sole qualification which an assistant should have, according to the opinion of his employer, is ability to increase the returns of the shop by any means he chooses, provided always that he does not get his employer into any trouble in the process. The respectable qualified man who, for the first time in his life, takes a situation in such a hotbed of wickedness does not stay long, with the result that the employer is always advertising for qualified men and incidentally writes to the Press slandering the class to which he belongs. Everyone knows those advertisements: twelve months’ references demanded from the employé; in nine cases out of ten, the employer’s personal conduct during twelve days would not stand investigation by any impartial person.

Yours, etc.,

Haekney, September 3.

E. A. (155/90.)

Unqualified Drug Stores (158/43) considers that neither pharmacists nor unqualified traders have gained anything by the new Act. He gives his experience of three qualified assistants whom he employed. No. 1 turned out to be a rogue and a blackguard, who did not know the price of Beecham’s pills, yet he came to him with satisfactory references. No. 2 came to business at 9 A.M., and was found asleep behind the counter at 10 A.M. His manner to customers was bad, and he occupied his time in writing sermons instead of doing his work. No. 3 was most capable in managing the till to his own interests. The combined service of these three men with U.D.S. was eleven months. In his immediate neighbourhood, of four registered chemists three have recently been brought to book by the Pharmaceutical Society for doing what unqualified men would not do. U.D.S. maintains that the statutory qualification has

not upheld the dignity of pharmacy, and he considers it of so little business value that he “does not mean to waste money by qualifying the two sons he is bringing into the business.”

Travellers’ Calls.

SIR,—Replying to “Traveller,” I do not think any traveller “desires” to keep a customer from his meals; rather he has a certain number of calls to put in during the day, and somebody’s meal-time must be encroached upon. Those who call on me are men who have called for years, and personally I do not care to suggest to any of them that they should miss me, pay several calls further up the street, and then have the trouble of coming back again. As regards my remark of travellers’ hours in the country, I can only say my experience then extended over seven years, four of which were during apprenticeship, two as assistant in one town and one in another. Both the former were towns of about 30,000 inhabitants, and it was the habit there for travellers arriving overnight to call during the evening and get an appointment for next day. The other was in a large town in the North, population 137,000, and there the trouble was quite as bad as Mr. Jones mentions, but the governor did not serve in the shop at all. There we had seven assistants, which was a different matter. Let me give a concrete instance. For years I have had one man calling once a month at any moment from 4.30 to 5.30 P.M. I do not like to refuse him his order, though I have given him many hints that I shall do so if he cannot arrange to call earlier. Then I look at his side of the question. He lives quite twelve miles away, and to keep him waiting for thirty minutes seems rather hard on him, and “Traveller” must know that it would be hard lines to go away empty when he has always collected a nice order. Besides, this man has “a way with him.” One can be abrupt to the representatives of houses not dealt with, but hardly to men you have known for years. I often wonder if others in this district refuse to see them, and they say to themselves, “I’ll just pop in and see Blank—he won’t mind.” If several will just take this hint I can dispose of the others.

Yours faithfully,

SUBURBAN CHEMIST. (153/22.)

SIR,—Personally, I divide travellers, like the rest of mankind, into two classes—those who can take a hint and those who cannot. When a man walks into my place and tells me, “I am going to sell you so-and-so” (usually with a Yankee accent or manner), and my queried reply, “Are you?” (you know Americans always answer one question by asking another), fails to alter his tone, it is, of course, idle to talk about civility. But there is another class—to which I endeavour to belong when I am on the road myself, for I belong to that happy class which thus sees both sides of the traveller’s life. The man who does his honest best not to inconvenience his possible customer deserves (and my experience is he usually gets) civil treatment. But he often does—he often must, if he is to put in an honest day’s work—drop in on people at busy times. In such a case, if he begins, “I suppose you don’t want any—?” instead of “Do you happen to require—?” and takes a civil “No” for an answer without further parley, he is certainly better received next time he calls, which, after all, may be just as important as securing a small order from a man who afterwards says to his assistant, “Next time that man calls, tell him I’m out.” The retailer should carefully bear in mind—he does not always do so—that it is impossible for the traveller to know his busy times. But if he takes the trouble to give explanations on the matter, the traveller ought to note them (not mentally, but in writing). He may not always be able to respect these hours—railway time-tables are stubborn things, and slow journeys mean higher proportionate expense—but he can always try. Finally, I have often been induced to waste time and annoy clients by the cocksure statements of young assistants that I should have a chance if I called again. Usually the older man wet-blankets the traveller unnecessarily, but the young fellow sometimes errs on the other side; and as one must keep on good terms with all ages, one cannot tell him so. But I daresay the cap will fit some young readers.

Yours faithfully,

ANGLO-PARISIAN. (110/60.)

Is this Anything Unusual?

SIR,—A little while back I stored away a quantity of hydrarg. perchlor., wrapped first in white demy and then in brown paper, in a tin container. When the tin was opened a week or so ago I found the salt had eaten through both papers and corroded the bottom of the tin right away, depositing a number of mercury globules about the shelf of the cupboard. PRO BONO PHARMACISTIDUS. (189/17.)

Australian Honey.

SIR,—It comes somewhat as a surprise to hear that English epicures and connoisseurs have, from some infatuated whim or caprice, taken a dislike to the use of Australian honey, on account (it is alleged) of its peculiar flavour and eucalyptus aroma. The next thing, probably, will be to condemn the use of our wholesome Colonial beef, mutton, butter, rabbits, etc., for similar reasons. During the fifty years I have resided in New South Wales I have never heard of any evil or deleterious effects arising from the use of honey by young or old, but, on the contrary, have found it a good substitute for sugar by settlers in the interior, and a most wholesome food, that has a tendency (like quinine) to arrest the spread of malaria and other tropical diseases, by virtue of the peculiar eucalyptus flavour and antiseptic aroma which the honey possesses, and which bush children rarely if ever object to. It is a question if honey is not a better food for children than sugar, seeing that sugar has a tendency, in a tropical climate, to create fermentation and fevers that interfere with the process of digestion. The consumption of sugar in New South Wales alone, with a population of 1,500,000, remarkable to say, amounts to about 40,000 tons annually. As the consumption of sugar increases, it is possible that fevers, cancer, phthisis, diphtheria, dysentery, and other tropical diseases may increase in a proportionate ratio. The Chinese and coloured races as a rule drink tea without sugar or milk; not so the European. Public health in the Colony fifty years ago was better, under a regimen of what early settlers called "Black Maria" sugar (which resembles the colour of liquorice), sold at 9d. per lb., than it is to-day, surrounded as we are on all sides by plague, typhoid, fevers, diphtheria, consumption, tuberculosis, enteritis, cancer, heart-affections, appendicitis, and a host of internal malignant diseases, etc., that were unknown and unheard of half a century ago. In THE CHEMIST AND DRUGGIST of February 6 there appeared a note on the visit of Mr. R. Beuhne (President of the Victorian Apiarists' Association) to England for the purpose of establishing an export trade in Victorian honey, and his report, in which he said: "It cannot be doubted any longer that the honey gathered from eucalypts possesses a distinct flavour, not noticeable to Australians, who are used to it, but very evident to the people in other countries." Those epicures who have taken a dislike to Australian honey should study what the London "Globe" said, from which it is evident that in place of condemning the use of Australian honey on account of its peculiar aroma, it possesses many valuable medicinal and antiseptic therapeutic virtues that are conducive to health and the suppression of malaria, paludial fevers, and endemic diseases pertaining to tropical countries. Such, at least, is the experience of the writer as a resident in New South Wales for upwards of fifty years. Year after year, owing to the ruthless and suicidal policy of wholesale ringbarking of our invaluable indigenous forests, the rainfall, hygiene, and climate of Australia are becoming more insalubrious and the seasons more precarious and unhealthy. Millions of acres of our invaluable timber and forest land have been ringbarked wholesale, under the auspices of the Government, under the flimsy pretext that "it makes two blades of grass to grow where only one grew before!"—ringbarking being the insidious device of land sharks and monopolists for obtaining cheap land and robbing the people and settlers of their birthright. English people and others need be under no fear or apprehension of using Australian honey (in moderation), as it is an article of common and daily use by settlers and their families in the Colonies without any evil or deleterious effects.

Yours, etc.,

Molong, N.S.W., July 13.

ANDREW ROSS, M.D.

[Our correspondent misses the point, which is that the United Kingdom is a big buyer and user of honey with a certain flavour, which Australian honey or some of it does

not possess, being marked by a eucalyptus odour. In consequence Australian honey is not valued in the United Kingdom as highly as it is in Australia. No amount of assurance that the Australian flavour is not detrimental, but the opposite, will convince British users; they want honey without that flavour, and as there is plenty of it they get it. Five-and-twenty years ago the late Mr. Thomas Christy wrote extensively on the medicinal value of eucalyptus honey, but even as a medicine it did not catch on here. Chemists could probably make a leader of the honey in the winter-time—e.g., by advertising "Australian honey, the best for colds."—EDITOR C. & D.]

Legal Queries.

A. B. (156/63).—The use of the description "oculist" is not restricted to registered medical practitioners or anybody else.

Oleum (157/70).—See the C. & D. Diary, p. 223, under Exemptions, for particulars as to the sale of known, admitted, and approved remedies.

Lex (156/67).—If the agreement with your late tenant is of the usual type, his trustees are now liable for the rent. You should communicate with the widow or the person who carries on the business on her behalf.

Hypo (150/20).—The practice in the retail drug-trade in regard to the payment of assistants during illness is to continue payment throughout a short illness, but if it is likely to be prolonged, notice should be given to the assistant, who is not entitled to receive medicine, dressings, etc., free of charge. There is no Court decision for guidance in the matter.

Delta (155/72).—(1) The preparation for the hair containing white precipitate cannot be sold without a poison-label, the article and preparations of it being in Part 2 of the Poison Schedule. (2) Capsules containing one medicament only are regarded for the purposes of the Medicine-stamp Acts as an entire drug, and may accordingly be sold as a proprietary article and recommended for the prevention, cure, or relief of human ailments.

G. R. T. (190/15) puts this question: "A medical man keeps open shop under the management of an unqualified person. Is he legally entitled to do so, or must he employ a qualified person?" [The Poisons and Pharmacy Act, 1908, does not require medical men (unless they be registered chemists) keeping open shop for the sale of poisons to have a qualified manager therein, but if an unqualified manager sells poisons he is personally liable under Section 15 of the 1868 Act, and the medical man may be held by the General Medical Council to be guilty of infamous conduct in a professional respect.]

S. L. C. (155/3). (1) A restrictive agreement in which no date is specified would not be upheld by the Courts. In the case you mention, the first point to be determined is the completion of the transfer of the business, and A, the seller, having come to an agreement with B to sell it, and accepted part of the purchase-money from the latter, may be required by B to complete the contract, otherwise to refund to B the money deposited, with such damages as may be agreed upon or awarded by the Court. (2) In the event of the transfer being completed, it would be advisable to insert a date in the restrictive agreement by compromise between the parties, rather than referring the matter to the Courts.

W. J. E. (152/17).—(1) Serving an apprenticeship to a chemist has nothing whatever to do with the sale of spirituous tinctures. The Revenue authorities state that these can only be sold by registered chemists and druggists, or by other persons who hold a spirit-licence. The apprenticeship recognition is under the Medicine-stamp Acts. (2) Grocers stand in the same position as other unqualified persons in regard to the sale of medicines. If they are not poisons the Pharmacy Acts do not cover them, but if they contain spirits the above statement applies. (3) We cannot trace the statement to which you refer, but it is covered by the first reply. (4) The last report by the Registrar of the Pharmaceutical Society of Great Britain shows that during 1908 proceedings for infringement of the Pharmacy Act, 1868, were taken against five grocers or general dealers and forty-nine drug-store keepers out of 164 cases taken. There were besides 289 cases of alleged infringement, but whether grocers and unqualified drug-store proprietors occurred in these in the same ratio or not we cannot say; but we do not suppose that it is correct to say that the Pharmaceutical Society leaves grocers alone; we rather think that as a rule grocers leave poisons alone. (5) We do not know what you mean by "carbolic wheat-dressing," but if a liquid containing more than 3 per cent. of carbolic acid, it is a scheduled poison, and the licence granted under Section 2 of the 1908 Act does not cover the sale of it.

Miscellaneous Inquiries.

We endeavour to reply promptly and practically to trade questions of general interest, but cannot guarantee insertion of replies on a particular date, nor can we repeat information given during the past twelve months. A preliminary condition for reporting on samples submitted is that all particulars as to source and uses are given to us.

W. F. (155/22) would be glad to know what is used under the name of "CORPULORE" as an ingredient in sarsaparilla beverages. We suggest that it may be cort. quillaire. Any information from readers would oblige.

COCKROACHES IN A COAL-MINE.—*Insecta* (157/61) has been asked to give advice as to the extirpation of cockroaches in stables down a coal-mine. Insect-powder has been tried, also painting the food-troughs with carbolic acid, but both without avail. Can any reader who knows tell what more can be done? Postcard replies will do.

WHAT IS PROPOLLAS?—J. M. J. (New Zealand) (156/65) writes: "Can any subscriber oblige me with information about 'Propollas,' or 'Popollas' (I am not sure of the word), a sticky, resinous substance gathered by bees more particularly in the autumn, and used by them to seal up any cracks or crevices in their hives? I am told it was used during the South African War as a dressing for wounds. I shall be glad of any information on the subject or reference to any book from which it can be obtained."

Vclor (90/44).—(1) STRIPPING DYED FABRICS.—The removal of dye from fabrics before re-dyeing is effected in various ways according to the dye and the material. In rare cases, such as cotton dyed with croceine scarlet, water suffices. Boiling in neutral solution of sodium sulphate partly strips many of the acid dyes from wool. Wool dyed with such colours as naphthol-yellow and the majority of the mono- or di-azo dyes can be readily stripped with soap and ammonia, soap and soda, or even soda alone. Mordant colours generally resist the action of dilute alkalis, but if the material is first treated with dilute hydrochloric acid to decompose the colour lake, the colouring-matter can be subsequently removed by treatment with alkali. More drastic means are, however, usually required, oxidising and reducing agents being employed. Bleaching-powder is often used for cotton or other vegetable fibres, and nitric acid for wool; but the commonest stripping-agent in use is chromic acid. Since the introduction of diamond black and other chromo-azo dyes, considerable difficulty is often experienced in stripping woollen rags, and this has caused the introduction of a wider range of stripping-agents. Potassium permanganate is used, but requires great care in its application. The peroxides are a comparatively recent introduction for this purpose. Hydrogen peroxide is good, but the solid peroxides are more convenient, the bath being made up on the following lines:

Sodium peroxide	...	...	7½ lb.
Sulphuric acid	...	...	8 lb.
Ammonium phosphate	...	...	3 lb.
Water	...	...	100 gals.

In the class of reducing-agents are sulphurous acid, sodium hydrosulphite, stannous chloride, and titanous salts. The sodium hydrosulphite is freshly made by the action of zinc dust on solution of sodium bisulphite; but recently stable sodium hydrosulphites have been introduced. These are used either in the presence of an alkali or (in the case of hydralite) with acetic acid. Titanous chloride or sulphate in acid solution is in favour with some dyers, who claim that the bleach is more easily and cheaply obtained than with other agents. An objection to titanous chloride is that the fabric retains considerable amounts of titanous hydrate or oxide; but as this salt minimises or entirely prevents the danger of "flaring" in flannelettes it may prove advantageous in certain cases. (2) Bleaching-powder is the agent employed for removing mildew spots from vegetable fabrics. (3) SODIUM-CITRATE WATER.—The strength of this would be 20 to 30 grains in each syphon of aerated water. This water is useful, when taken with milk, in promoting the digestion and absorption of the milk. It does not seem advisable to take sodium citrate for long periods, as Wright has shown that the decalcifying effect on the blood is not continuous.

W. H. B. (141/51).—DENTISTS' POWDER, used for protecting dentures from the heat of soldering, and also employed by jewellers.—This is mixed with plaster of Paris, and consists of precipitated silica. It neither expands or contracts under the influence of heat.

J. H. M. (Cape Colony) (148/62).—WORM-POWDER for sheep and ostriches.—This consists approximately of copper sulphate (1), sodium chloride (2), sulphur (2), the proportions being indicated in parentheses. You do not give any indication as

to the dose of the powder, but as a guide we may add that copper sulphate is given to sheep in doses of from 20 to 30 grains.

Dartmoor (145/27).—HISTORY OF THE USE OF DRUGS.—The most useful books for the purpose of your lecture will be those written by Dr. W. T. Fernie: "Animal Simples" (Wright, 6s.); "Meals Medicinal; with herbal simples" (9s.); "Precious Stones: for curative wear and other remedial uses: likewise the nobler metals" (6s.). You may also find useful Henslow's "Medical Books of the Fourteenth Century" (Chapman, 21s.). There are numerous works on the history of medicine which naturally include the remedies used in olden times. The historical part of the "Pharmacographia" is also of great value.

W. W. (Transvaal) (142/18).—EXTEMPORANEOUS PREPARATION OF EASTON'S SYRUP.—The trouble of the solidification of the liquor is one which cannot be overcome. The following is a recipe which was formerly much employed, and which you might try:

Quin. phosph.	...	...	gr. viij.
Liq. strychnin.	...	...	3ss.
Syr. ferri phosph. ad	...	...	3j.

Misce.

R. W. B. (144/68).—SELF-RAISING FLOUR.—See C. & D., April 3, p. 546.

H. H. (144/10).—We do not know what liquid is employed for "dissolving" the skin at the base of the finger-nails. Perhaps some reader can enlighten us.

Inquirer (Llandudno) (155/19).—See our Educational Number, August 14, for full particulars as to the training for analytical chemist. You can get a copy from our office for 6d.

Jacob (145/22).—Your question regarding a certain root which "the more you cut it, the more it grows" is not sufficiently specific. Couch-grass (*Triticum repens*) and the field horsetail (*Equisetum arvense*) are troublesome weeds which have underground rhizomes that when cut give rise to buds and subsequently new shoots on each section. Such examples of vegetative propagation are a widespread phenomenon.

C. A. S. (156/2).—MINERAL OIL IN VEGETABLE OIL can be readily detected by saponifying the oil with alcoholic potash. A few drops of the oil and ¼ in. of stick caustic potash are added to one-third of an ordinary test-tube full of rectified spirit, and the whole is well boiled to complete the saponification. On adding water to the mixture any unsaponifiable matter present will be precipitated, and if a distinct separation of oil occurs sophistication with mineral oil is likely.

Ferri Sulph. (149/49).—(1) LAMENESS IN A COW.—A cow often tramples on a stone or other hard substance, thus making her stumble, and causing slight sprain or even rupture of one or more of the small ligaments in the hoof. *Treatment*: Clean and examine the foot thoroughly, especially between the digits, and pare off any diseased horn. If symptoms of rot appear, treat accordingly; if nothing can be seen, poultice for a few days, when the lameness will disappear, or suppuration will make its appearance at some part, possibly the coronet. Any of the pastes mentioned in "Veterinary Counter-practice" can be recommended as a dressing. (2) PIG WITH A COLD.—The sow appears to be suffering from a form of lung-complaint, probably due to a chill stopping the flow of milk. Keep the animal warm, dry, and away from draughts; give her a mild aperient, if required, and volatile stimulants, such as—

Spt. aether. nit.	...	...	5j.
Ether. meth.	...	...	5j.
Spt. ammon. arom.	...	...	5j.
Aq. menth. pip. ad	...	...	3j.—M.

Sig.: To be given in milk or gruel twice daily.

The chest can also be rubbed with mild embrocation, and a hot flannel cloth or blanket tied round it after the rubbing. (3) "GREASE" AND "SCRATCHES" are not the same; a horse can have cracked heels without grease, and *vice versa*, but where there is a predisposition to grease, cracked heels may develop into that trouble if the animal is not particularly cared for. In any case, the horse should have a full dose of physic, succeeded by a course of alterative medicines containing arsenic. If symptoms or signs of grease predominate, treat for that; but if only cracked heels are seen, the ointment mentioned in "Veterinary Counter-practice" will be all that is required. (4) RED SPOTS ON PIGS.—Your pigs seem to be suffering from indigestion, or partial poisoning peculiar to the pig through eating something very unusual. The same symptoms are sometimes caused by an over-dose of nitre, sulphur, or salt, and another common cause is the pigs getting water in which corned beef has been boiled. Give a brisk oleaginous purge, followed by milk and eggs, cod-liver oil,

linsced gruel, or the like. The spots on the skin can be dressed with a little zinc oxide and carbolic ointment. The actual and primary treatment is to find out and remove the cause. If no improvement takes place in a short time, it may be advisable to report the case to the nearest police-constable as a suspected case of swine-fever, and thus save further trouble and risk. (5) "Make an ointment, and use it night and morning."

Dens (151/39).—KEEPING DENTAL HYPODERMIC SYRINGE.—Our correspondent asks if the syringe used in the extraction of teeth can be kept with the needle suspended in an antiseptic solution, thus saving the trouble of taking the syringe to pieces each time. Farther, can the solution to be injected be drawn up through the needle without weakening the piston? [It is not, of course, advisable to keep the syringe in the manner suggested, as it is substantially a means for courting disaster by transferring infection from one patient to another. A safe method for keeping the syringe is as follows: Make a solution of 90 parts of glycerin and 10 parts of carbolic acid. Get a wide-mouthed bottle, so that the syringe is suspended in the centre of the bottle by resting the two flanges over the top of its mouth. Enough of the solution is put in to cover the whole of the needle. This prevents the needle from rusting or corroding, keeps the leather of the plunger moist and airtight, and is a good antiseptic. As regards the filling of the syringe, it is better to draw the solution directly into the barrel, and not through the needle.]

Hypo (150/20).—(1) SYRUP FOR CORDIAL.—This should be of specific gravity 1.2. Such a syrup can be made by mixing 6 pints of syrup (B.P.) with 2 pints of water; then add 30 grains of salicylic acid to the gallon (see "Pharmaceutical Formulas," 7th edition, p. 256). (2) SALT OF LEMON.—The practice of the trade in regard to this article is not uniform. Equal parts of cream of tartar and powdered binovale of potash, flavoured with oil of lemon, is sometimes given, but the proportions vary, and the lemon flavouring is not universally used. Many chemists give powdered binovale of potash alone.

H. E. D. (151/29).—PRESERVATION OF SKIN-CREAM.—The addition of formalin to a preparation containing tragacanth would be objectionable, because it would tend to gelatinise the preparation. Your best plan would be to boil the water used in making the cream, first adding to the 48 oz. half a drachm of benzoic acid. The fungus to which you refer is probably due to the introduction of spores in the water or tragacanth, and sterilisation of the water by boiling is a precaution, while the mixture of the tragacanth with rectified spirit, allowing it to soak for half an hour or more, should also be of service.

S. R. C. (31/90).—(1) THE POTASS. IODID. AND SPT. ÆTH. NIT. MIXTURE is quite safe, as, owing to the large amount of potassium bicarbonate present, free iodine is impossible. (2) The gelatinisation of your QUININE-AND-IRON TONIC is due to the reduction of the ferrie chloride by the glycerin on exposure to the light. Mixtures of this nature should contain a little free nitric acid, the following being a suitable modification of your formula:

Liq. ferri perchlor	...	...	3j.
Acid. nitric, dil.	...	...	3iss.
Quininæ sulphat.	...	...	5iij.
Glycerini	...	...	3v.
Aq. chloroformi ad	...	...	Öv.

Savon (151/66).—Instead of quillaia-bark you should use saponin—now an easily obtainable article of commerce. It is perfectly white.

E. R. R. (147/11).—NASAL DOUCHE.—(1) There are many kinds of collunarii. The one to which you refer is probably DOBELL'S SOLUTION, or a modification of it—this being frequently prescribed by hospital practitioners. The formula is as follows:

Boracis	...	...	5ij.
Sodii bicarbonat.	...	...	5ij.
Acid. carbolic	...	...	gr. xxiv.
Glycerini	...	...	3ss.
Aquam ad	...	...	3xvj.

(2) A GOOD ASTRINGENT NASAL POWDER, for preventing continuous running of the nose, is Ferrier's snuff, but if the morphine in that preparation is not desired, you could give the following:

Pulv. acid. borici	...	...	3ss.
Pulv. tragacanth. co.	...	...	5ij.
Mentholis	...	...	gr. v.
Acid. carbolic	...	...	gr. v.
Liq. formaldehyd. (40 per cent.)	...	...	mx.

Rub up the menthol and carbolic acid in a mortar, and gradually triturate with them the boric acid. Then add the compound tragacanth powder, and finally the solution of formaldehyde, mixing well.

Californian Pharmacist (147/96) wants to know if the following formula for WHITE LINIMENT can be compounded to produce a thick preparation. In his experience the product is as thin as milk. The originator of the formula declares that all depends on the temperature of the water, and recommends that one-half the quantity of boiling water be added to as much cold water. Even this mode has not proved a success.

Acid. acetic., B.P.	...	...	3iv.
Ol. terebinthinæ	...	...	3viij.
Liq. sapon. meth.	...	...	3viij.
Liquor. ammoniæ	...	...	3viij.
Aquæ fervidæ	...	...	3xxviij.

M. Ft. liniment.

[A look at this formula gave us the impression that as it stands it cannot be compounded to produce a thick liniment, and experiment confirms this. The preparation is "as thin as milk"—and town milk at that. It is very dilute, and lacks material to make it thick. We do not see how the temperature of the water used would make any difference, and if the originator of the formula cannot lucidly and definitely communicate the solution of the puzzle, life is too short for you to waste time over it. If the strength of the preparation be such as suits your requirements, the addition of 2 grains of best powdered tragacanth to each fluid ounce will convert it into a beautifully white non-separating liniment of suitable thickness.]

L. J. H. (157/42).—Careful use of a spatula is the best plan TO REMOVE PORTLAND CEMENT from polished tiles. Soak the cement all night with a solution of 1 part of washing-soda in 6 parts of water and 1 part of methylated spirit.

Shock (151/52).—BICHROMATE BATTERY-CHARGE.—Potassium bichromate 1 oz. and sulphuric acid 1 oz. to water 8 oz.

T. A. R. (154/22).—TICKET-WRITING INKS.—Thicken ordinary inks with gum, soluble glass, or solution of shellac in borax and water. Instead of inks you may use drop black and vermilion for the colours you want.

W. F. C. (152/29).—For the essence see *C. & D.*, February 20, p. 316. SELTZER-WATER POWDER:

Sodium chloride	...	...	3iv.
Sodium bicarbonate	...	...	3iv.
Sodium sulphate	...	...	5j.
Sodium phosphate	...	...	5j.

From 15 to 30 grains of this per syphon.

S. L. (153/51).—NERVE-OINTMENT.—Our correspondent has had a domestic recipe presented to him, as follows:

Nerve ointment	...	...	4 oz.
Mercury sublimate corrosivo	...	...	½ oz.
Camphor	...	...	2 dr.
Oil of origanum	...	...	½ oz.

The question is, What should he supply for "nerve ointment" in this case? Ung. nervinum (ung. rosmarini co., P.G.) is probably required. The formula is as follows:

Lard	...	...	16 parts
Mutton suet	...	...	8 parts
Yellow wax	...	...	2 parts
Oil of mace	...	...	2 parts
Oil of rosemary	...	...	1 part
Oil of juniper	...	...	1 part

Melt the first four ingredients together, strain, and add the essential oils.

Hesperides (150/31).—We have no formula for diabetic marmalade. The jelly is made of bitter orange pulp and gelatin sweetened with saccharin in the proportion of about ½ oz. to the hundredweight.

R. H. (150/13).—Startin's "Care of the Skin and Hair" (Wright, Bristol), published at 2s. 6d., will probably suit you. Other books are mentioned in the bibliography in the *Chemists' and Druggists' Diary*, 1906.

H. (Queenstown, S.A.) (155/42).—LUMINOUS PAINTS.—You will find about a page in "Pharmaceutical Formulas" (last edition, p. 489) regarding the manufacture of these, but the following formula will give you an idea of how the powder for the paint is made:

Calcium oxide (iron-free)	...	20	grams
Sulphur	...	6	grams
Starch	...	2	grams
Bismuth nitrate (0.5-per-cent. solution)	...	1	c.c.
Potassium chloride	...	0.15	gram
Sodium chloride	...	0.15	gram

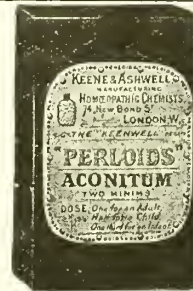
Heat together in a crucible until nearly white. The resulting powder is mixed with a thin and nearly colourless varnish.

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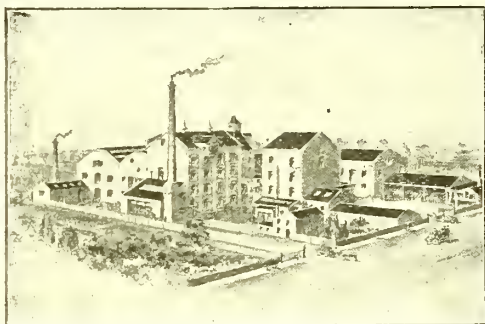
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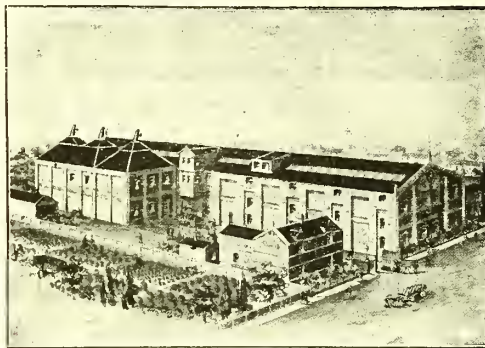
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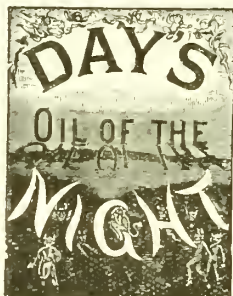
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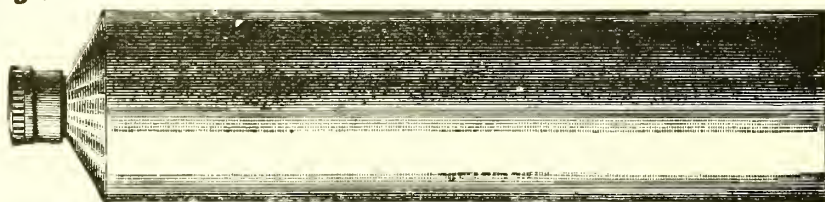
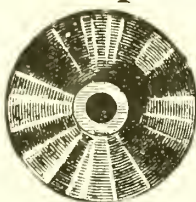
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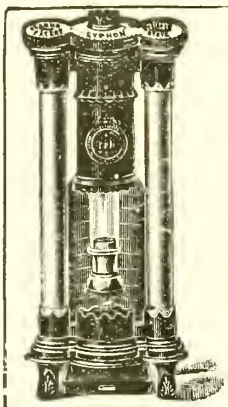
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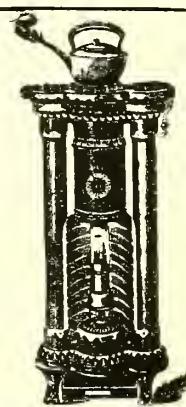
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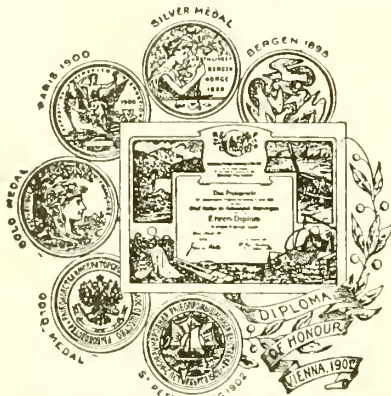
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PRICES.—Beecham's Pills, 13½d. size (56 pills) PER DOZEN. 9/6
 „ 2s. 9d. „ (168 „) 25/-
 Beecham's Tooth Paste, 1s. size 7/6

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Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this paper on Terms as below.

- *Acet. Ipecac. B.P., 7 lbs. @ 1/3 lb.
 " Scilla, B.P., 7 lbs. @ 3d. lb.
 *Acetone, 6 lbs. @ 1/2 lb.; 1 lb. @ 1/4 lb.
 *Acid Acet. Glacial, 99%, Carboys 144 lbs. @ 4d. lb.; 12 6-lb. bots. @ 6d. lb.; 6 lbs. @ 8d.
 Aoi1 Acetylo-Salicyl, 56 lbs. @ 2/1 lb.; 7 lbs. @ 2/3 lb.; 1 lb. @ 2/5 lb.
 " Benz.B.P., 7 lbs. @ 1/8 lb.; 1 lb. @ 2/- lb.
 " Boric Pulv., 3 cwt. @ 28/- cwt.; 1 cwt. @ 28/6 cwt.; levigd. 3/- cwt. extra.
 " Carbol Xtls., 39/40; 56 lbs. @ 5d. lb.; 10-lb. Tins @ 5/6 each; Detached Cryst. 8/- each; 36 1-lb. Bots. @ 9d. lb. Single Bots. 11d. lb.; Detached Cryst. 1 lb. @ 1/1 lb.; Orude Black, 45 Gall. Casks @ 10d. gall.; 1 Gall. Tins @ 1/5 each.
 " Citric Cryst., B.P. 55, 1 cwt. @ 1/3 1/2 lb.; 7 lb. in Bags @ 1/5 lb.; powder 3/4 lb. extra.
 " Diethylbarbituric, 16 oz. @ 38/6 lb.; 1 oz. @ 2/8 oz.
 " Gallic pur. P.B., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.
 " Hydrobrom. dil. B.P., 6 lbs. @ 7d. lb.
 " Hydrocyan. P.B., 6 lbs. @ 1/1 lb.; 1 lb. @ 1/4 lb.; 36 1-oz. Vials @ 3/6 doz.
 " Oxalic Cryst., 5 cwt. @ 3d. lb.; 1 cwt. @ 3 1/2 lb.; 14 lbs. @ 3 1/2 lb.
 " Phosph. Dil. B.P., 8 lbs. @ 4d. lb.
 " Salicyl. pulv., 1 cwt. @ 1/1 lb.; 28 lbs. @ 1/2 lb.; 7 lbs. @ 1/3 lb.; phys. pure, 1 lb. @ 3/- lb.
 " Sulphur, Coml., cases, 4 2-gal. jars, 17/- each; 20 cases @ 16/- each.
 " Sulph. Aromat. B.P., 5 lbs. @ 3/8 lb.
 " Tannic, B.P., 7 lbs. @ 2/2 lb.
 Ext. Filicis Liq., P.B., 9 lbs. @ 4/2 lb.; 1 lb. @ 4/8 lb.
 Ext. Gent., P.B., Solid, 1 cwt. @ 8 1/2 d. lb.; 7 lbs. @ 9 1/2 d. lb.
 " Glycyrrh. Liq. B.P., 6 lbs. @ 1/6 lb.
 " Hamamelis, Liq. P.B., 5 lbs. @ 3/5 lb.
 " Hyoscyam., Solid, B.P., 3 lbs. @ 6/- lb.; 1 lb. @ 6/9 lb.
 *Ext. Ipecac. Liq. P.B., 5 lbs. @ 11/- lb.; 1 lb. @ 11/9 lb.
 " Malti c. Ol. Jecoris, 10 lbs. @ 5 1/2 d. lb.
 *Ext. Nucis Vom. Liq. B.P., 5 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.; solid 4d. lb. extra.
 Ferri Ammon. Cit., B.P., 28 lbs. @ 1/4 1/2 lb.; 7 lbs. @ 1/7 lb.
 Ferri Carb., 1 cwt. @ 21/- cwt.; 28 lbs. @ 3d. lb.
 Ferri et Quinina Cit., P.B.; 500 ozs. @ 3d. oz.; 100 ozs. @ 3 1/2 d. oz.; 25 ozs. @ 3 1/2 d. oz.
 Ferri Sulph., pure cryst., 1 cwt. @ 15/-; 7 lbs. @ 2d. lb. [1/3 lb.]
 Ferrum Redact. 86%, 28 lbs. @ 1/1 lb.; 7 lbs. @ 3d. lb.; 7 lbs. @ 3 1/2 d. lb.; English Ground, 1 cwt. @ 5 1/2 d. lb.; 56 lb. @ 6d. lb.; 7 lbs. @ 7d. lb.
 Formaldehyde, 40%, 132-lb. Carboys @ 52/- each; 7 lbs. @ 7 1/2 lb.
 Gamboze English Ground, 7 lbs. @ 4/- lb.; 1 lb. @ 4/4 lb.
 Honey, fine White Set, 28 lbs. @ 47/- cwt.
 Lin. Camph. P.B., 40 lbs. @ 10 1/2 d. lb.; 9 lbs. @ 11 1/2 d. lb.
 *Sp. Ammon. Aromat. P.B., 5 lbs. @ 2/8 1/2 lb.
 *Spt. Chloroform, P.B., 5 lbs. @ 3/7 lb.
 Strontine Bromid., 1 cwt. @ 1/2 1/2 lb.; 7 lbs. @ 1/4 1/2 lb.; 1 lb. @ 1/6 lb.
 Strychnina cryst. B.P., 25 ozs. @ 2/- oz.; 1 oz. @ 2/3 oz.; Hydrochlor. or Sulphate, 2d. oz. less.
 Sugar of Milk, B.P., 1 cwt. @ 41/- cwt.; 7 lbs. @ 6d. lb.
 Sulphonal P.B., 1 lb. @ 9/6 lb.
 *Syr. Aurant. P.B., 7 lbs. @ 8d. lb.
 *Syr. Easton B.P., 7 lbs. @ 1/- lb.
 " Ferri Iodid. P.B., 7 lbs. @ 1/1 lb.
 " Ferri Phosphat. Co., 7 lbs. @ 5d. lb.
 " Hypophosph. Co. B.P.C., 7 lbs. @ 9d. lb.
 " Pruni Virg. B.P., 8 lbs. @ 7d. lb.
 " Rhamni, 7 lbs. @ 10d. lb.
 " Rhei P.B., 7 lbs. @ 7 1/2 d. lb.
 " Scilla P.B., 7 lbs. @ 4 1/2 d. lb.
 " Senna P.B., 7 lbs. @ 8d. lb.
 " Tolut. P.B., 7 lbs. @ 7d. lb.
 *Tinct. Aurantii Recens, B.P., 5 lbs. @ 3/6 lb.
 *Tinct. Belladon., B.P., 5 lbs. @ 2/11 lb.
 *Tinct. Benzoini Comp. P.B., 5 lbs. @ 3/5 lb.
 *Tinct. Camph. Comp. P.B., 5 lbs. @ 2 1/2 lb.
 *Tinct. Cantharidis, P.B., 5 lbs. @ 3/9 lb.; bond, 6d. lb.
 *Tinct. Capsici, B.P., 5 lbs. @ 3/3 lb. [6d. lb.]
 *Tinct. Card. Comp., P.B., 5 lbs. @ 2/6 lb.; bond,
 *Tinct. Catechu, P.B., 5 lbs. @ 2/8 lb.; bond, 7 1/2 d. lb.
 *Tinct. Chlorof. o. Morph. Comp. B.P., 1885, 5 lbs. @ 1/11 lb.; bond, 1/5 1/2 lb.
 *Tinct. Cinchon. Comp. B.P., 5 lbs. @ 3/4 lb.; bond, 10 1/2 d. lb.
 *Tinct. Cinchon. Rub. P.B., 5 lbs. @ 3/- lb.; bond, 10d. lb.

CAMPBOR. OXALIC. TARTARIC.

- Acid Tart., cryst. or pulv., B.P. 1885, 1 cwt. @ 9 1/2 lb.; 7 lbs. @ 1 1/2 d. lb.; parv. 1/2 d. lb. extra.
 Adeps Lanae B.P., Anhydrous, 2 cwt. @ 52/6 cwt.; Hydrous @ 49/- cwt.; 1 cwt. @ 2/- cwt., 28 lbs. @ 5/- cwt., 14 lbs. @ 8/- cwt., 7 lbs. @ 12/- cwt. extra.
 Aloes Barb., English Ground, 28 lbs. @ 70/- cwt.; 7 lbs. @ 8d. lb.
 Aloes, Scot., 7 lbs. @ 1/5 lb.; powder, 7 lbs. @ 1/5 lb.
 Ergo Atris Pulv., 14 lbs. @ 11d. lb.
 Aloin. B.P., 1 lb. @ 3/9 lb.
 Ammon. Benz., 7 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.
 Amyli pulv., 10 cwt. @ 13/3 cwt.; 2 1/2 cwt. @ 13/9 cwt.; 1 cwt. @ 15/3 cwt.
 Bismuth. P.B. Carb., 14 lbs. @ 7/9 lb.; 3 lbs. @ 8/1 lb.; subnit., 1/- lb. less.
 Camphor, English Flowers, "not artificial," 5 lbs. @ 1/11 lb.; 1/2 oz. @ 7d. lb.; 2 1/2 lb. @ 7/8 lb.; 2 1/2 lb. @ 7/4 lb.; Orude, 140 lbs. @ 1/4 1/2 lb.; 28 lbs. at 1/6 lb.
 Cocaine Hydrochlor. B.P., 25 ozs. @ oz.; 4 ozs. @ 7/10 oz.; 1 oz. @ 8/- oz.
 Codeina B.P., 1 oz. @ 10/11 oz.; Phosph., 1 oz. @ 9/3 oz.; Hydrochlor. or Sulph. 1 oz. @ 10/1 oz.
 Cream Tartar, 98% powder, 1 cwt. @ 72/6 cwt.; 7 lbs. @ 9d. lb.
 Ess. Lemon, 12 lb. Copper @ 3/6 lb.; 6 1-lb. bots. @ 4/0 lb.; not guaranteed absolutely pure.
 *Ess. Feol (artificial), Jargonelle, 5 lbs. @ 1/6 lb.; Bergamot, 2/6 lb.
 *Ess. Pineapple, 5 lbs. @ 3/4 lb.
 " Vanilla Beans, 5 lbs. @ 4/4 lb.; 1 lb. @ 4/7 lb.
 *Ext. Belladonnae Liq. B.P., 5 lbs. @ 4/7 lb.; 1 lb. @ 5/- lb.
 Ext. Casarea Sag. Liq., B.P., 10 lbs. @ 1/2 lb.
 *Ext. Ergot. Liq. P.B., 5 lbs. @ 2/11 lb.; 1 lb. @ 2/8 lb.
 *Minimum quantity at these prices, Home Trade, 8 Winchester Quarts assorted. Export, 12 Winchester Quarts assorted.
 Lin. Sapo Meth., 9 lbs. @ 7d. lb.
 Lin. Tereb. Acet., B.P., 9 lbs. @ 1/- lb.
 *Liq. Ammonii Acetatis Cono. 1-7, 6 lbs. @ 10 1/2 d. lb.; 1 lb. @ 1/4 lb.
 " Ammon. Aromat., 6 lbs. @ 9d. lb.
 " Antim. Chlor. Pure, 8 lbs. @ 6 1/2 d. lb.
 " Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
 " Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
 " Bismuth. P.B., 6 lbs. @ 10 1/2 d. lb.
 " Copeiba Bncha et Onob., 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.
 " Easton, p.s. 1-3, B.P., 1 lb. @ 3/- lb.
 " Ferri Dialisatus, 6 lbs. @ 7d. lb.
 " Ferri Iod. p.s. 1-7, 1 lb. @ 5/9 lb.
 Morphine Acet. Hydrochlor. or Sulph. Pulv., B.P., 25 oz. @ 6/6 oz.; 16 oz. @ 8/7 oz.; 8 oz. @ 6/9 oz.; 1 oz. @ 7/1 oz.; Par. Pracip., Bimeconate or Tart. 1 oz. @ 8/7 oz.
 Ol. Olive, P.B. Flav., 45 galls. @ 4/3 gall.; 2 galls. @ 5/3 gall.
 Sapo Cast. Alb., 10 cwt. @ 23/- cwt.; 2 cwt. @ 24/- cwt.; 7 lbs. @ 3 1/2 d. lb.; Mottled, 2 cwt. @ 27/6 cwt.; 1 cwt. @ 28/6 cwt.; 7 lbs. @ 4d. lb.
 Shellac (Orange), 1 1/2 cwt. @ 76/- cwt.; 7 lbs. @ 10d. lb.
 Soda Caustica, 28-lb. tin @ 8 1/2 d. lb.; 6 1-lb. Bots. @ 10d. lb. [1/2 lb.]
 Sodii Bromid. P.B., 1 cwt. @ 1/0 1/2 lb.; 7 lbs. @ Soda Cit., B.P., 5 lbs. @ 1/10 lb.
 Sodii Hyposulphate, pea cryst., 1 cwt. @ 8/6 cwt. @ 1/6 lb.; 7 lbs. @ 1/7 lb.; phys. pur. 28 lbs. @ 2/2 lb.; 1 lb. @ 2/5 lb.
 Soda Sulphocarbolas B.P., 7 lbs. @ 10 1/2 d. lb.; 1 lb. @ 1/1 lb.
 *Spt. Aether Nit. P.B., 4 1/2 lbs. @ 3/6 lb.; 1 lb. @ 3/9 lb.
 *Tinct. Digitalis, B.P., 5 lbs. @ 2/8 lb.; bond 5 1/2 d. lb.
 *Tinct. Gelsem. B.P., 5 lbs. @ 2/10 lb.
 *Tinct. Gentianae Comp. B.P., 5 lbs. @ 1/11 1/2 lb.; bond, 6d. lb.
 *Tinct. Hyoscyami, B.P., 5 lbs. @ 2/7 lb.; bond, 6d. lb.
 *Tinct. Iodi B.P., 5 lbs. @ 3/11 lb.; bond, 1/1 1/2 lb.; decolour, 5 lbs. @ 4/3 lb.
 *Tinct. Lavandulae Comp. B.P., 5 lbs. @ 3/10 lb.; bond, 6 1/2 d. lb.
 *Tinct. Myrrhae, B.P., 5 lbs. @ 3/9 lb.; bond, 9d. lb.
 *Tinct. Nucis Vom., B.P., 5 lbs. @ 2/10 lb.; bond, 7 1/2 d. lb.
 *Tinct. Opii, B.P., 5 lbs. @ 3/- lb.; bond, 1/11 lb.
 *Tinct. Opii Amon., B.P., 5 lbs. @ 3/4 lb.
 *Tinct. Opii Aquos., 5 lbs. @ 1/8 lb.
 *Tinct. Quiniae Amm., B.P., 5 lbs. @ 2/6 lb.; bond, 11d. lb. [1 lb.]
 *Tinct. Rhei Co. B.P., 5 lbs. @ 2/2 lb.; bond, 8d.
 *Tinct. Scilla, B.P., 5 lbs. @ 2/6 lb.
 *Tinct. Senegae, P.B., 5 lbs. @ 3/1 lb.; bond, 1/3 1/2 lb.
 *Tinct. Strophanth, P.B., 5 lbs. @ 3/5 lb.; bond, 8d. lb.
 *Tinct. Valeriana, 5 lbs. @ 9/8 lb.; bond, 6d. lb.
 *Tinct. Valeriana Ammon., P.B., 5 lbs. @ 3/1 lb.; bond, 8 1/2 d. lb. [1 lb.]
 *Tinct. Zingib., P.B., 5 lbs. @ 4/- lb.; bond, 6 1/2 d. lb.
 *Tinct. Zingib. Fortior, 5 lbs. @ 4/3 lb.; bond, 10 1/2 d. lb.
 Treacle (Black), 5 1/2 cwt. @ 7/6 cwt.; 24 lbs. @ 2d. lb.
 Ung. Acid. Boric. P.B., 28 lbs. @ 6 1/2 d. lb.; Flav. 28 lbs. @ 4 1/2 d. lb.
 " Acid Carbol. B.P., 28 lbs. @ 8d. lb.; 7 lbs. @ 9d. lb.; 1 lb. @ 11d. lb.
 " Gallae P.B., 7 lbs. @ 10d. lb.; 1 lb. @ 11d. lb.
 " c. Opio, 7 lbs. @ 2/2 lb.

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OUR MONTHLY TURNOVER FOR JUNE 1909
WAS

TEN TIMES GREATER

THAN FOR JUNE 1908.

FOR JULY

IT WAS **THIRTEEN TIMES GREATER**

THAN FOR JULY 1908.

FOR AUGUST

IT WAS **FOURTEEN TIMES GREATER**

THAN FOR AUGUST 1908.

A MONTHLY TURNOVER FOURTEEN TIMES
GREATER THAN IT WAS ONE YEAR BACK
PROVES THAT WE SATISFY OUR CUSTOMERS.

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5 & 7 LABURNUM STREET, KINGSLAND ROAD, LONDON, N.E.

. . . THE . . . CHEMIST'S CO-OPERATIVE WHOLESALE.

Acetanilide, B.P. 1 cwt. @ 11d. lb.; 28 lbs. @ 1/-.
 Acetum Ipecac. B.P. 6 lbs. @ 1/3 lb.
 „ Scilla B.P. 6 lbs. @ 3d. lb.
 Acetone. 6 lbs. @ 1/- lb.; 1 lb. @ 1/3.
 Acid. Aceto-Salicylic. 28 lbs. @ 2/- lb.; 7 lbs. @ 2/1;
 1 lb. @ 2/3.
 „ Benzoic. B.P. 28 lbs. @ 1/5 lb.; * 7 lbs. @ 1/6;
 1 lb. @ 1/8.
 „ Carbolic Cryst. B.P. Ice Cryst. 112 lbs. @
 6d. lb.; 10 lbs. @ 7d.
 „ Carbolic Detached Crystals. 56 lbs. @ 6½d. lb.;
 10 lbs. @ 8d.; 1-lb. Bots. 10d. each.
 „ Citric Cryst. or Pulv. B.P. 1885. 1 cwt. @
 1/4½ lb.; 7 lbs. @ 1/5½.
 „ Oxalic Cryst. 7 cwt. @ 3d. lb.; 1 cwt. @ 3½d.
 lb.; 28 lbs. @ 3½d.
 „ Pyrogallie. Crystals. 7 lbs. @ 4/3 lb.
 „ Resublimed. 100 1-oz. Bots. @ 6½d.
 each.
 „ Salicylic. Pulv. 1 cwt. @ 1/- lb.; 28 lbs. @ 1/0½;
 7 lbs. @ 1/1.
 „ Tartaric Pulv. English. 1 cwt. @ 10½d. lb.;
 28 lbs. @ 11d.; 7 lbs. @ 11½d.
 Adeps Benz. B.P. 28 lbs. @ 8½d. lb.
 „ Lanæ Anhydrous B.P. 1 cwt. @ 51/- cwt.;
 28 lbs. @ 6d. lb.
 Adeps Lanæ Hydrous B.P. 1 cwt. @ 46/- cwt.;
 28 lbs. @ 5½d. lb.
 Aloes Barb. Pulv. English Ground. 1 cwt. @ 60/- cwt.
 „ Socot. Pulv. English Ground. 7 lbs. @ 1/3 lb.
 Aloin B.P. 7 lbs. @ 3/4 lb.; 1 lb. @ 3/6.
 Alum Pulv. 1 cwt. Bags @ 7/9 cwt.
 Ammon. Carb. Lump. 1 cwt. @ 3½d. lb.; 28 lbs. @ 4½d.
 „ Chlor. Pur. B.P. 1 cwt. @ 29/6 cwt.
 „ Sulphocyanid. Recryst. 28 lbs. @ 11d. lb.;
 7 lbs. @ 1/2.
 Amylum Pulv. B.P. 2½ cwt. @ 13/3 cwt.; 1 cwt. @ 14/-.
 Aqua Anethi Conc. 1 to 40. 5 lbs. @ 2/4 lb.; 1 lb. @ 2/7.
 „ Anisi Conc. 1 to 40. 5 lbs. @ 2/4 lb.; 1 lb. @ 2/7.
 „ Cinnamomi Conc. 1 to 40. 5 lbs. @ 2/9 lb.; 1 lb.
 @ 3/- [@ 2/7.
 „ Menth. Pip. Conc. 1 to 40. 5 lbs. @ 2/4 lb.; 1 lb.
 „ Rosæ Conc. 1 to 40. 1 lb. @ 6/- lb.
 „ Aurant. Trip. 53 lbs. for 17/6.
 „ Laurocerasi. 53 lbs. for 15/6.
 „ Rosæ Trip. 53 lbs. for 16/6.
 „ Sambuci Trip. 53 lbs. for 17/6.
 Balsam Copaibæ B.P. 44 lbs. @ 2/1 lb.; 9 lbs. @ 2/3;
 1 lb. @ 2/6.
 Benzo-Naphthol. 14 lbs. @ 2/4 lb.; 1 lb. @ 2/8.
 Bismuth Carb. B.P. 14 lbs. @ 7/6 lb.; 3 lbs. @ 7/8;
 1 lb. @ 7/10. [1 lb. @ 6/10.
 „ Subnit. B.P. 14 lbs. @ 6/6 lb.; 3 lbs. @ 6/8;
 Butyl Chloral Hydras B.P. 1 lb. @ 8/8 lb.
 Calci Carb. Praecip., Lightest. 28 lbs. @ 16/- cwt.
 Camphor English Flowers B.P. 5 lbs. @ 1/11 lb.
 „ Tablets ¼, ½ and ¾ oz. 7 lbs. @ 2/1 lb.
 Capsicine Soluble. 1 lb. @ 6/- lb.
 Cera Alba, Genuine, Moons. 28 lbs. @ 1/6½ lb.; 4 lbs.
 @ 1/7½. [1/5½.
 Cera Flav., Genuine, Slabs. 28 lbs. @ 1/4½ lb.; 4 lbs. @
 Cetaceum. B.P. 64 lbs. @ 1/3 lb.; 7 lbs. @ 1/5 lb.
 Chloral Hydras, Cryst. B.P. 7 lbs. @ 4/4 lb.; 1 lb. @ 4/7.
 Chloroform, B.P. 12 x 8 lb. Bots. @ 1/6½ lb.; 8 lbs. @
 1/7½; 3 x 1 lb. Bots. @ 1/10½.
 Chlorophyll. 7 lbs. @ 4/- lb.; 1 lb. @ 4/6.

Cocain. Hydrochlor. B.P. 25 ozs. @ 7/8 oz.; 1 oz. @
 8/-.
 Codeine, Cryst. or Praecip. 1 oz. @ 11/- oz.
 „ Hydrochlor. 1 oz. @ 10/2 oz.
 „ Phosphate. 1 oz. @ 9/2 oz.
 „ Sulphate. 1 oz. @ 10/2 oz.
 Conf. Sennæ B.P. 7 lbs. @ 7½d. lb. [7 lbs. @ 8d.
 Cotton Wool, Absorbent, Interleaved. 28 lbs. @ 7d. lb.;
 Cream of Tartar, B.P. 1 cwt. @ 73/6 cwt.; 7 lbs. @
 9d. lb. [@ 2/-.
 Creasotum Beechwood, B.P. 7 lbs. @ 1/9 lb.; 1 lb.
 Creosote Carbonate. 1 lb. @ 3/6 lb.
 Dec. Aloes Co. Conc. sine Croco. 6 lbs. @ 1/2 lb.
 Dec. Cinchonæ Rub. Conc., 1 to 7. 6 lbs. @ 1/4 lb.
 „ Sarsæ Jam. Co. Conc., 1 to 7. 6 lbs. @ 2/2 lb.
 „ Scoparii Conc., 1 to 7. 6 lbs. @ 3/5 lb.
 „ Senegæ Conc., 1 to 7. 6 lbs. @ 1/10 lb.
 Emp. Picis B.P. 7 lbs. @ 8½d. lb.
 „ Plumbi B.P. 7 lbs. @ 8d. lb.
 „ Resinæ B.P. 7 lbs. @ 8d. lb.
 „ Saponis B.P. 7 lbs. @ 8d. lb.
 Ext. Belladon. Viride B.P. 1 lb. @ 2/9 lb.
 „ „ Liq. B.P. 5 lbs. @ 4/6 lb.; 1 lb. @ 4/9.
 „ Cascaræ Sagradæ Liq. B.P. 6 lbs. @ 1/2 lb.
 „ Ergotæ Liq. B.P. 6 lbs. @ 2/9 lb.; 1 lb.
 @ 3/-.
 „ Gentian B.P. 7 lbs. @ 9d. lb.
 „ Glycyrrh Liq. B.P. 6 lbs. @ 1/2 lb.
 „ Hyoscyami B.P. 2nd Bien. 1 lb. @ 5/- lb.
 „ Ipecac. Liq. B.P. 5 lbs. @ 11/3 lb.; 1 lb. @ 11/6.
 „ Nucis Vom. Liq. B.P. 5 lbs. @ 3/3 lb.; 1 lb. @ 3/6.
 „ Sarsæ V.C. Co. 1 lb. @ 4/- lb.
 „ Taraxaci B.P. 1 lb. @ 1/3 lb.
 Ferri et Quinin. Cit. B.P. 100 ozs. @ 3d. oz.; 25 ozs.
 @ 3½d.
 Flor. Anthem. 7 lb. @ 6d. lb.
 Fol. Hyoscyami. 2nd Bien. Elect. 1 lb. @ 7/3 lb.
 Fol. Sennæ, Tinnevelly. 7 lbs. @ 4d. lb.
 Gamboge, English Ground. 7 lbs. @ 3/9 lb.
 Gingerine. 1 lb. @ 7/6 lb.
 Guaiacol Carbonate. 1 lb. @ 5/- lb.
 Gum Acacia Sorts. 7 lbs. @ 5½d. lb.
 „ Pulv. Opt. 7 lbs. @ 11d. lb.
 „ „ Tragacanth. Pulv. Opt. 7 lbs. @ 3/4 lb.; 1 lb.
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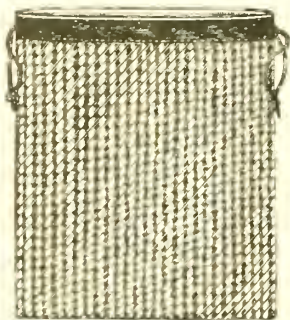
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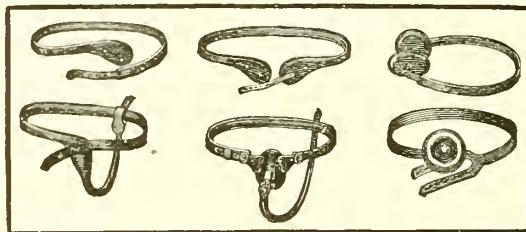
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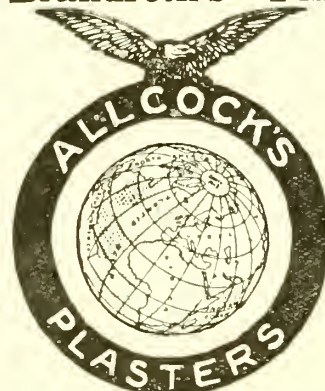
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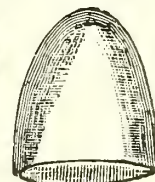
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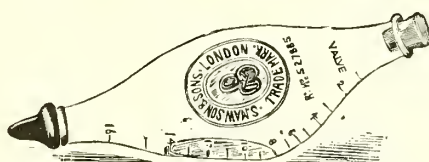
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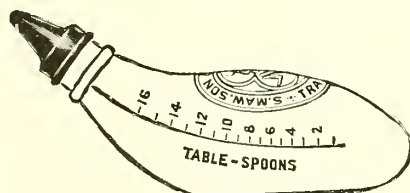
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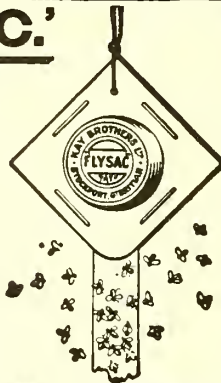
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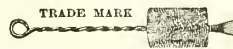
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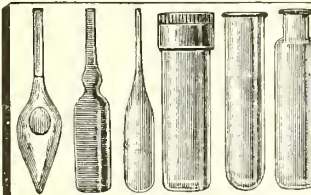
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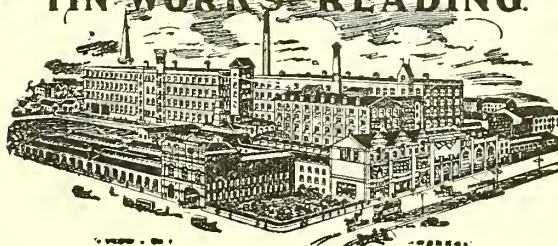
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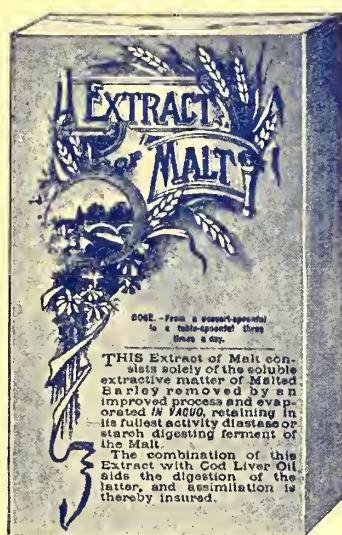
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12 oz. fluid = 1 lb. by weight ... 8/- per doz.
24 oz. " 2 lb. " ... 14/- "

EXTRACT OF MALT AND COD LIVER OIL.



12 oz. fluid = 1 lb. by weight ... 9/- per doz.
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In Patent Air-tight Screw-capped Jars.

Also in handsome black and white design label for this jar, without cartons.

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We beg to give notice of advance in prices as follows:—

ELLIMAN'S ROYAL Embrocation for Animals.

*7d. size bottle, 6/8 per dozen.	2/- size bottle, 19/- per dozen.
1/- " " 10/- " "	3/6 " " 32/9 " "

ELLIMAN'S UNIVERSAL Embrocation for Human Use.

*8½d. size bottle, 8/2 per dozen.	2/9 size bottle, 25/4 per dozen.
1/1½ " " 11/1 " "	* 4/- " " 39/6 " "

CONDITIONS.

Agreements as to minimum prices remain in force.

The advance in prices should ultimately be paid by the public, *and we leave it to the Trade to put up their prices, or not to do so, as may be found necessary.*

*N.B.—The 7d. size bottles at 6/8 per dozen, the 8½d. size bottles at 8/2 per dozen, and the 4/- at 39/6 per dozen are not protected.

TERMS OF PAYMENT, &c.

Orders (assorted or not) of less value than £5 8 0 are net.

Orders of the value of £5 8 0 and upwards are subject to 10% discount for cash within 28 days from date of invoice. No extra discount for cash with order.

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